THE WORLD'S BEST-SELLING AMIGA MAGAZINE

AMIGA FORMAT

ISSUE 49 ■ AUGUST 1993 ■ £3.25

3D



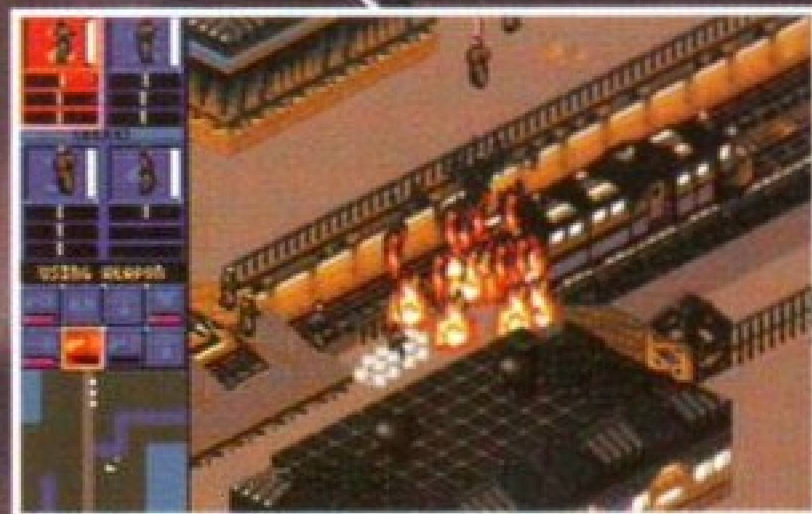
Create new worlds

with our essential guide to Amiga 3D

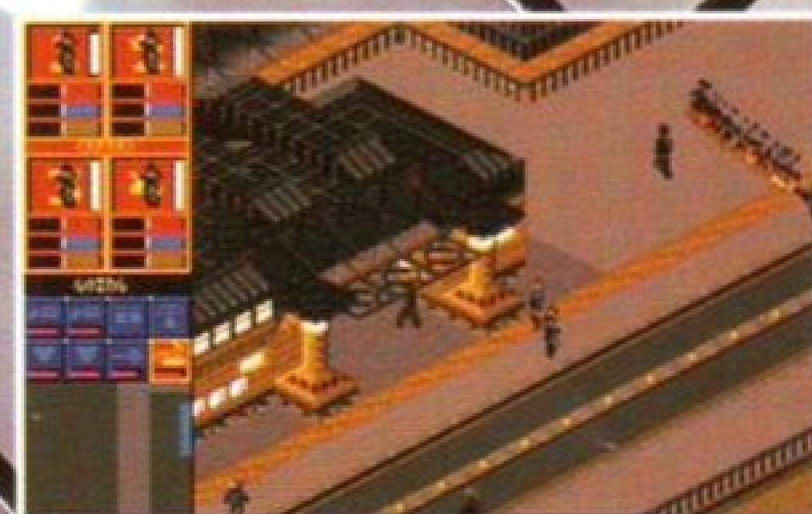
ACCELERATORS ten speed machines tried and rated. **PLUS:** Syndicate, Lost Vikings, Gunship 2000, War in the Gulf, ICD Trifectas, SyQuest Drive.

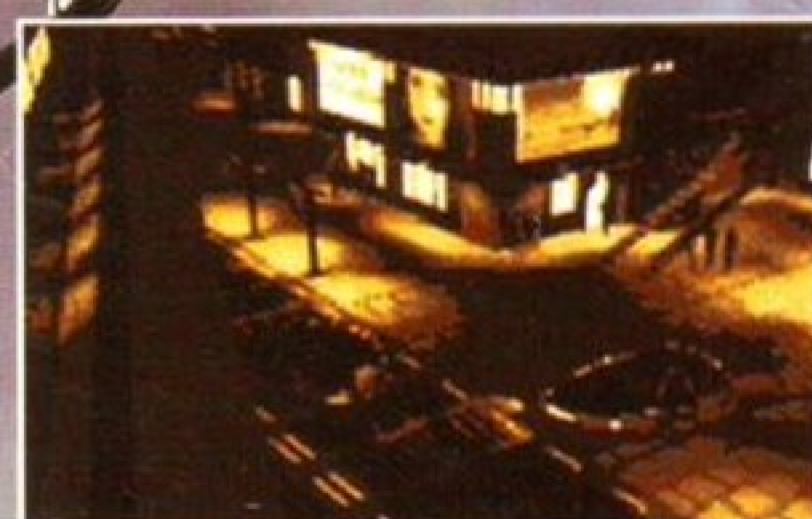
Future PUBLISHING
Your guarantee of value





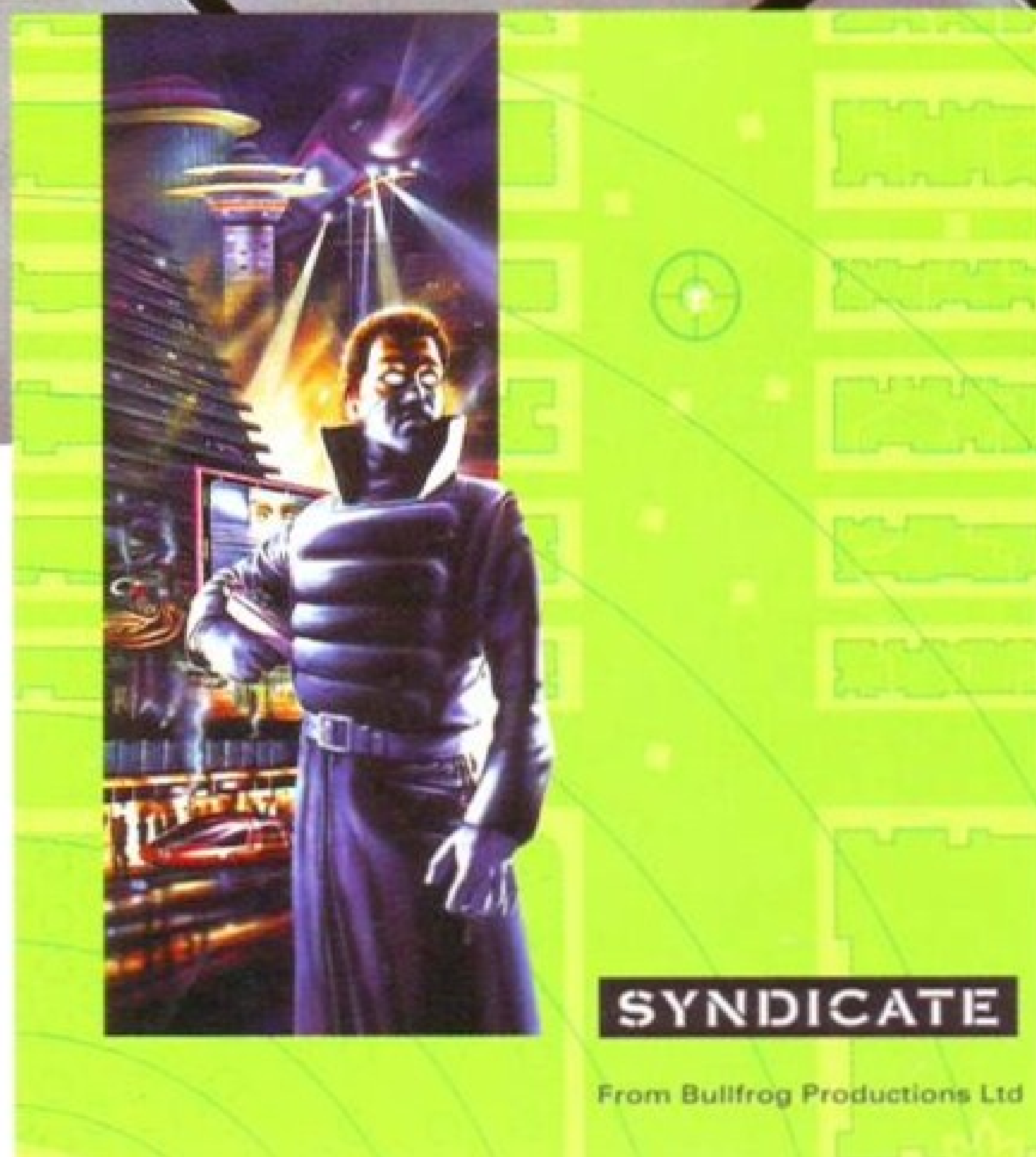








SYNDICATE™



Bullfrog shows you tomorrow.

It's not a pretty sight.

On the forbidding city streets, among the mazes of concrete and steel, armed cyborgs stalk their prey.

They are the servants of Syndicates – crime organisations which dominate through corruption and violence.

You are the Syndicate's latest recruit.

Tool up a team of cyborgs with hi-tech weaponry and super-human physiques. Now take them into battle for control of future-Earth's 50 territories. Only when the world lies powerless at your feet have you proved yourself worthy of the Syndicate.

It's a dark and mindless future.

But if you have the will, you can have the power.



ELECTRONIC ARTS

Distributed by:

Electronic Arts, 90 Heron Drive, Langley, Berks SL3 8XP Tel: 0753 549442.



BULLFROG
PRODUCTIONS LTD

© 1993 Bullfrog Productions Ltd. 'Syndicate' is a trademark of Electronic Arts.

AMIGA FORMAT 49
AUGUST 1993

EDITORIAL DEPARTMENT
EDITOR Marcus Dyson
DEPUTY EDITOR Julie Tolley
TECHNICAL EDITOR Pat McDonald
PRODUCTION EDITOR Gary Lord
STAFF WRITER Andy Nuttall
STAFF WRITER Richard Baguley
PRODUCTION ASSISTANT Stephen Bradley

ART DEPARTMENT
ART EDITOR Sue White
DESIGN Derek Davis

ADVERTISING DEPARTMENT
GROUP AD MANAGER Jonathan Bint
ADVERTISING MANAGER Duncan Ferguson
SALES EXEC Anne Green
SALES EXEC Warren Burgess

PUBLISHING
PROMOTIONS ASSISTANT Tamara Ward
CIRCULATION MANAGER Jon Bickley
CIRCULATION ASSISTANT Kate Elston
PUBLISHER Greg Ingham

ADVERTISING COMPLAINTS
Contact Yolanda Hughes, Ad Complaints, 30 Monmouth Street, Bath BA1 2BW

PRODUCTION
GROUP PROD MANAGER Judith Middleton
ADVERTISING PRODUCTION Tracey O'Donnell
PROD CONTROLLER Claire Thomas
PROD CONTROL ASSNT Ginette McKeown
ADVERTISING DESIGN Laura MacGregor, Lisa Withey
PAPER CONTROLLER Fiona Deane
ADMIN ASSNT Suzannah Angelo-Sparling

PRINTED IN THE UK BY
Chase Web, Plymouth, a St Ives PLC company
NEWSTRADE DISTRIBUTION, UK
Future Publishing, 0225 442244
NEWSTRADE DISTRIBUTION, OVERSEAS
MMC Ltd 0483 211222

AMIGA FORMAT
30 Monmouth Street
Bath, Avon, BA1 2BW
Telephone 0225 442244
Facsimile 0225 318740
EMAIL ADDRESS
2:250/107.95@FIDONET.ORG
AMFORMAT@CIX.COMPULINK.CO.UK

SUBSCRIPTIONS, BACK ISSUES and MAIL ORDER
Future Publishing, Somerton,
Somerset, TA11 6TB
Telephone 0458 74011
Facsimile 0458 74378

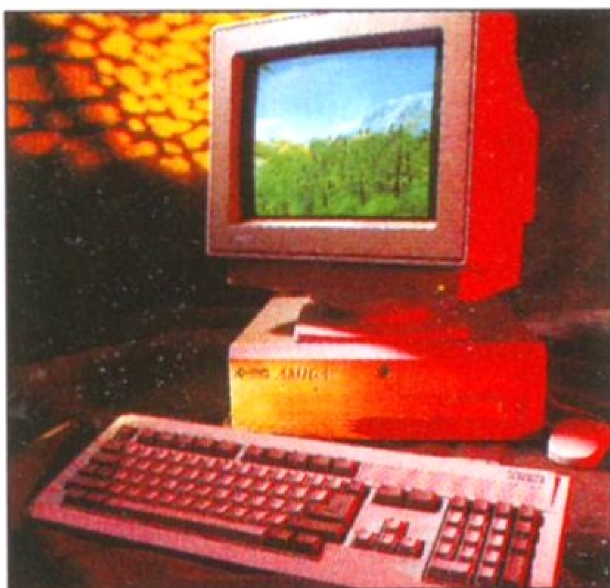


No part of this publication may be transmitted or reproduced in any form without the permission of the publishers.

Member of the Audit Bureau of Circulations.
ABC Registered Circulation
144,330
July – December 1992

News

Screenplay 65



Contents of the Year

Remember this? Of course you do, it's the A4000/030. And we remind you of when we reviewed this and every other piece of hardware and software in our massive six page round-up of the year. Page 45

Reviews

Regulars



REVIEWED: Nine accelerators put to the test.

Find out which one is the fastest, the best for your machine and how to use it to get the best results. See Page 38.



REVIEWED: Trifecta 500 LX hard drive

Save serious amounts of loading and saving time with this excellent expansion. Page 121.



REVIEWED: Joysticks round-up.

Does a Supercharger or Superstar sound like the stick for you? Or are you more of a Cruiser Turbo or Cheetah type? Find out on page 60



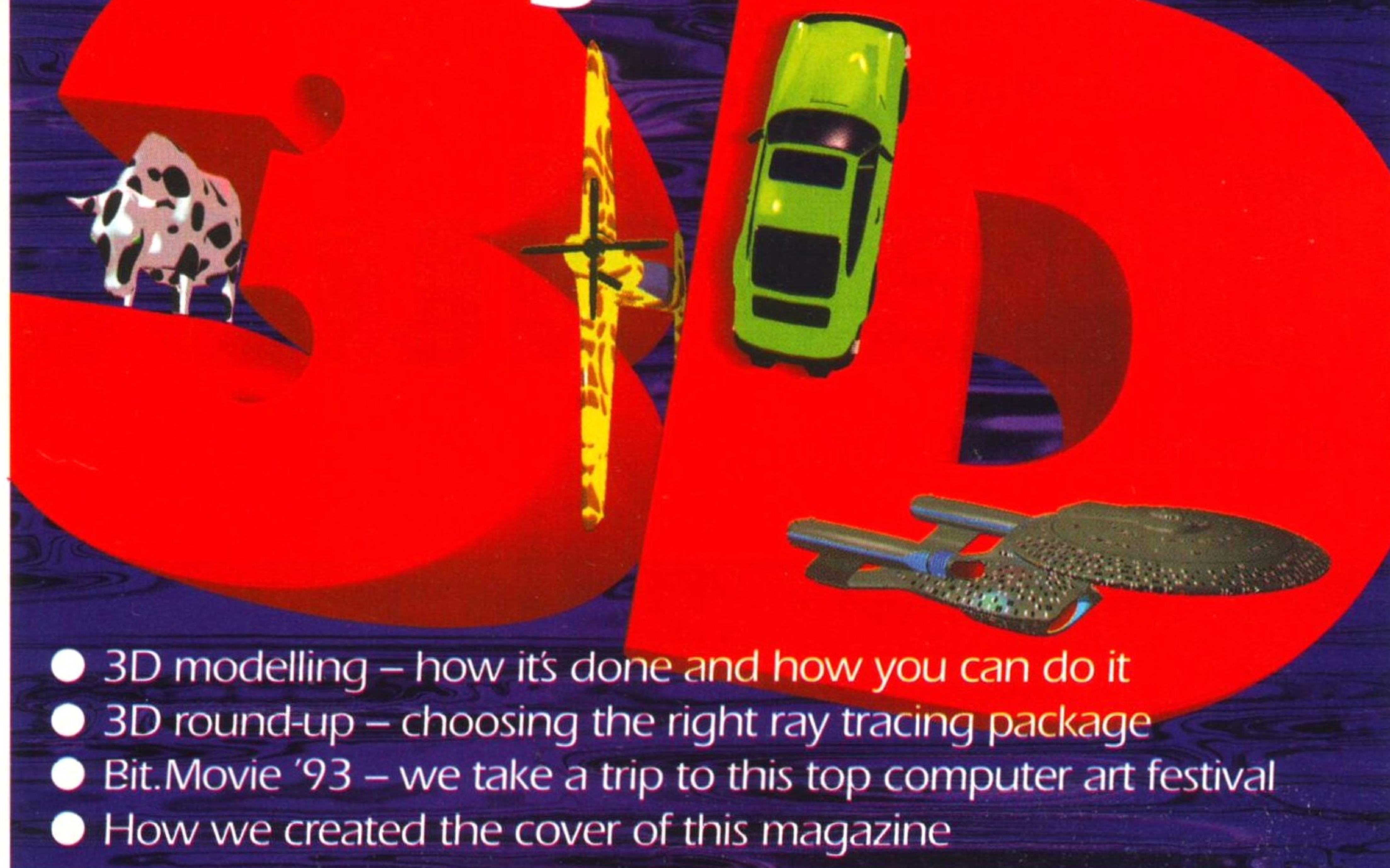
REVIEWED: Home Music Kit

Power Computing's home music package comprises stereo speakers, MIDI interface, software disk and sampler. Is it any good? See page 132.



IN PD DEMOS:

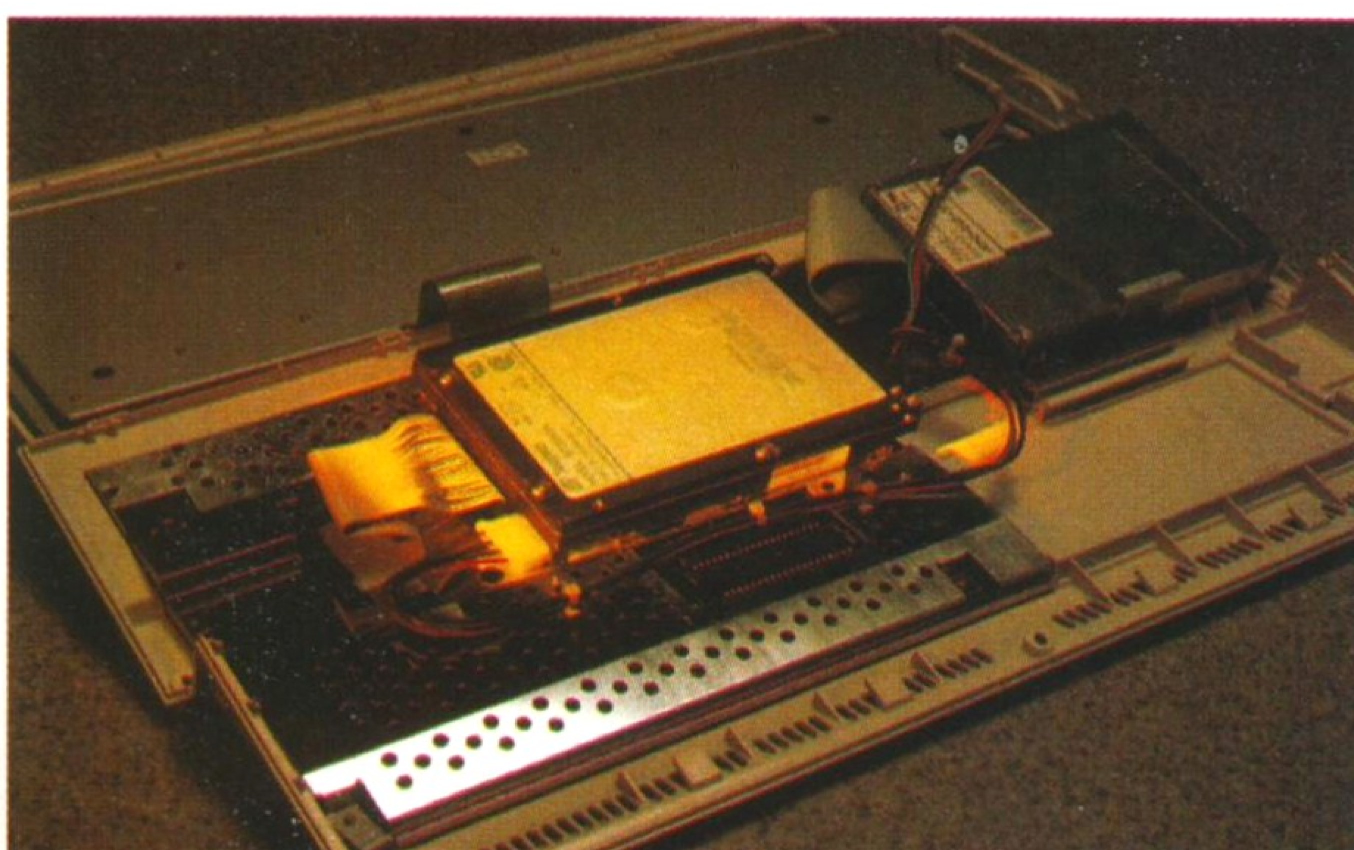
A slideshow of stunning sensual images from excellent coders Revelations. Enjoy! Page 155.



WIN! 20 IDE disk drives up for grabs

We're offering 20 40Mb drives courtesy of Software Demon, who have also given us a copy of Civilization AGA to add to each prize package. Find out how to be more powerful on... PAGE 56

WIN! A day at Evelyn Glennie's and Greg Malcangi's recording studio PAGE 135



Welcome to Amiga Format!

Tough times for Commodore! Despite the continuing success of the Amiga in the UK, the Big C's fortunes have not been so good worldwide. When Commodore should have been concentrating on their premium product, the Amiga, they were wasting time and resources targeting the PC market, which is cut-throat to say the least. When they should have been making the Amiga better, cheaper and more attractive, they were resting on their laurels, and considerable sales.

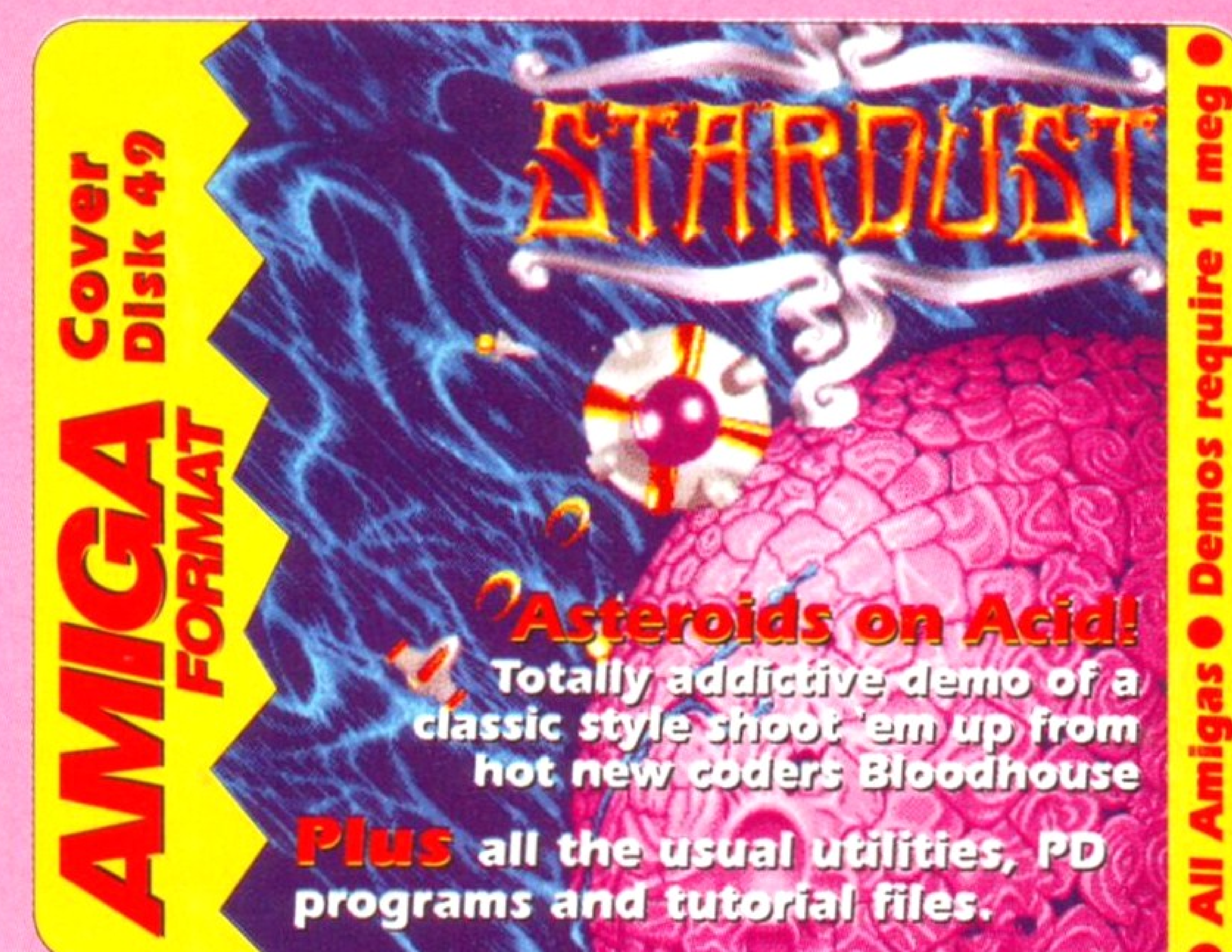
The Amiga succeeded as a games machine, although it was never intended as such, and that market has been ravaged by the consoles. So Commodore have been left to shut down offices and make redundancies world wide. What does this mean to you and I, the Amiga owner? Well... possibly nothing! Commodore's recent actions have been a rationalising of the organisation, and they are now a leaner and fitter company, better equipped to face the future. We wish them well in their fight to regain profitability. But if they fail it does not mean the death of the Amiga. Commodore have a hot new CD-based console waiting in the wings. It makes the Mega CD seem like a sick joke, and it deserves to be a success. But battling against Sega's multimillion pound advertising campaign will not be easy for Commodore in their current condition.


Marcus Dyson, editor

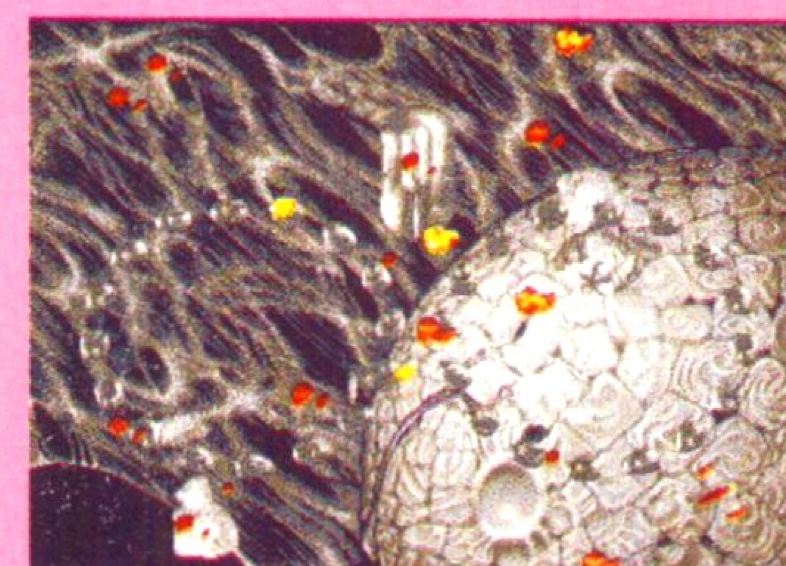
But whatever happens to Commodore, the Amiga technology, and the Amiga name, will persevere. The chip set is too good to go to waste and the machines are too great to be left to lie fallow. If Commodore fail to turn the economic tide, there will be a whole host of companies keen to jump in and take the Amiga into their product range.

Don't worry, but do stick around, there will be interesting times ahead.

ON THIS MONTH'S COVERDISK



Stardust



Imagine a game with the graphics of Team 17 and the playability of an arcade classic. A new software house take an old game and spice it up beyond recognition. Full Instructions on page 6.

Cheat Compendium



452 games are covered – whether it be how to activate the cheat mode, a few level codes or a simple way to see the end of the game without playing it all the way through. Instructions on page 7.

A1200 Fixes

Want to play Speedball 2, Last Ninja 3, Shadoworlds or Heimdall on an A1200? Well now you can, thanks to these four very special tweaking programs. For more information see page 7.

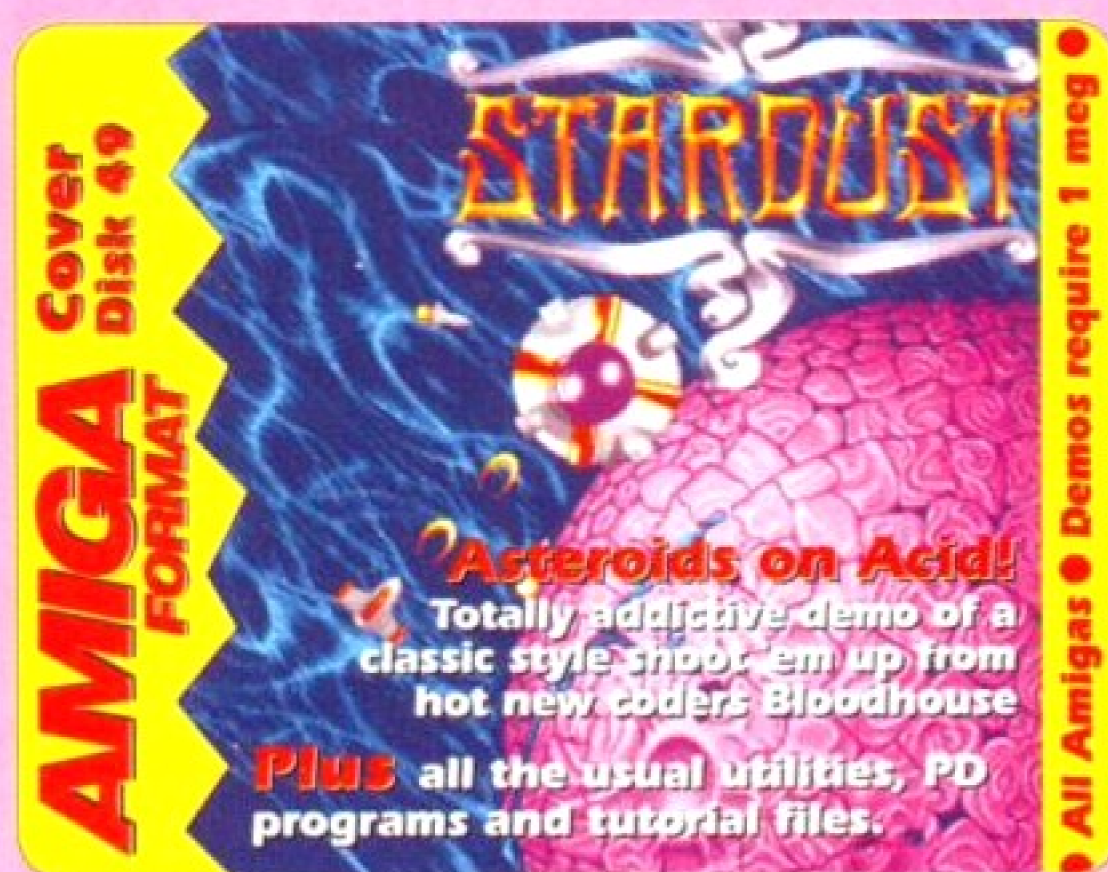
Genesis

Ever wanted to toy with a 3D rendering program, just to find out what all the fuss is about? Genesis offers simple, but effective, results and is very quick in action to boot. Further explanations on page 8.

Flexiparse

Of special interest to computer graphics students, this utility converts between the award winning Winsom format and Genesis models. Instructions on page 10.

Full Coverdisk instructions start on next page...

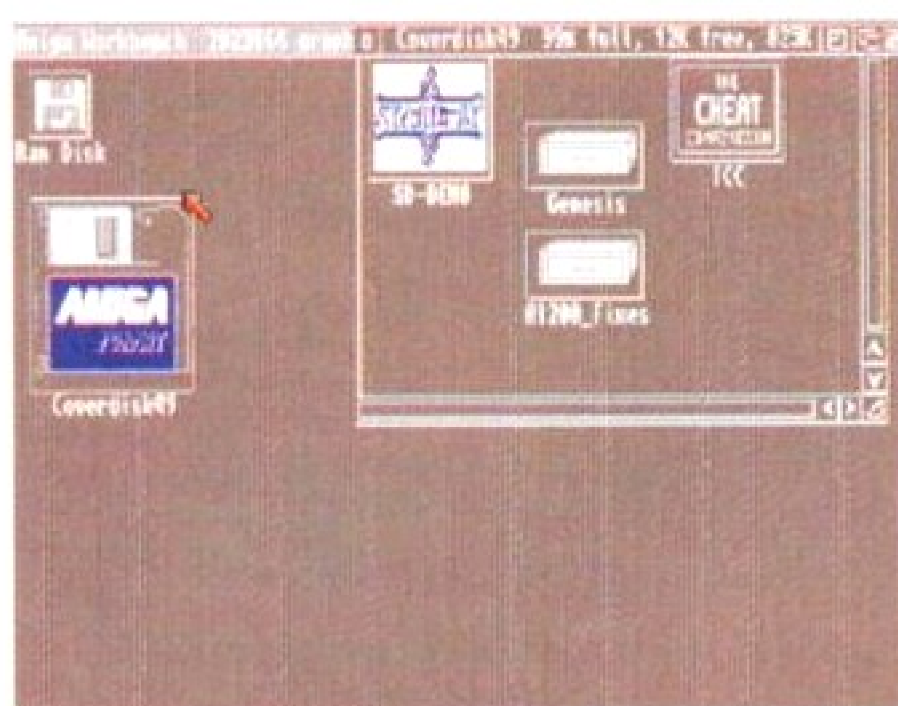


Well, if you want to go rock smashing, cheat at hundreds of different games, run incompatible games on an A1200 or just sit down and design a whole virtual 3D, here's the man who knows how – **Pat McDonald**.

Stardust

Bloodhouse ■ PAL Only

GETTING STARTED



Chances are, your Coverdisk won't look quite like this – but the differences are purely cosmetic.

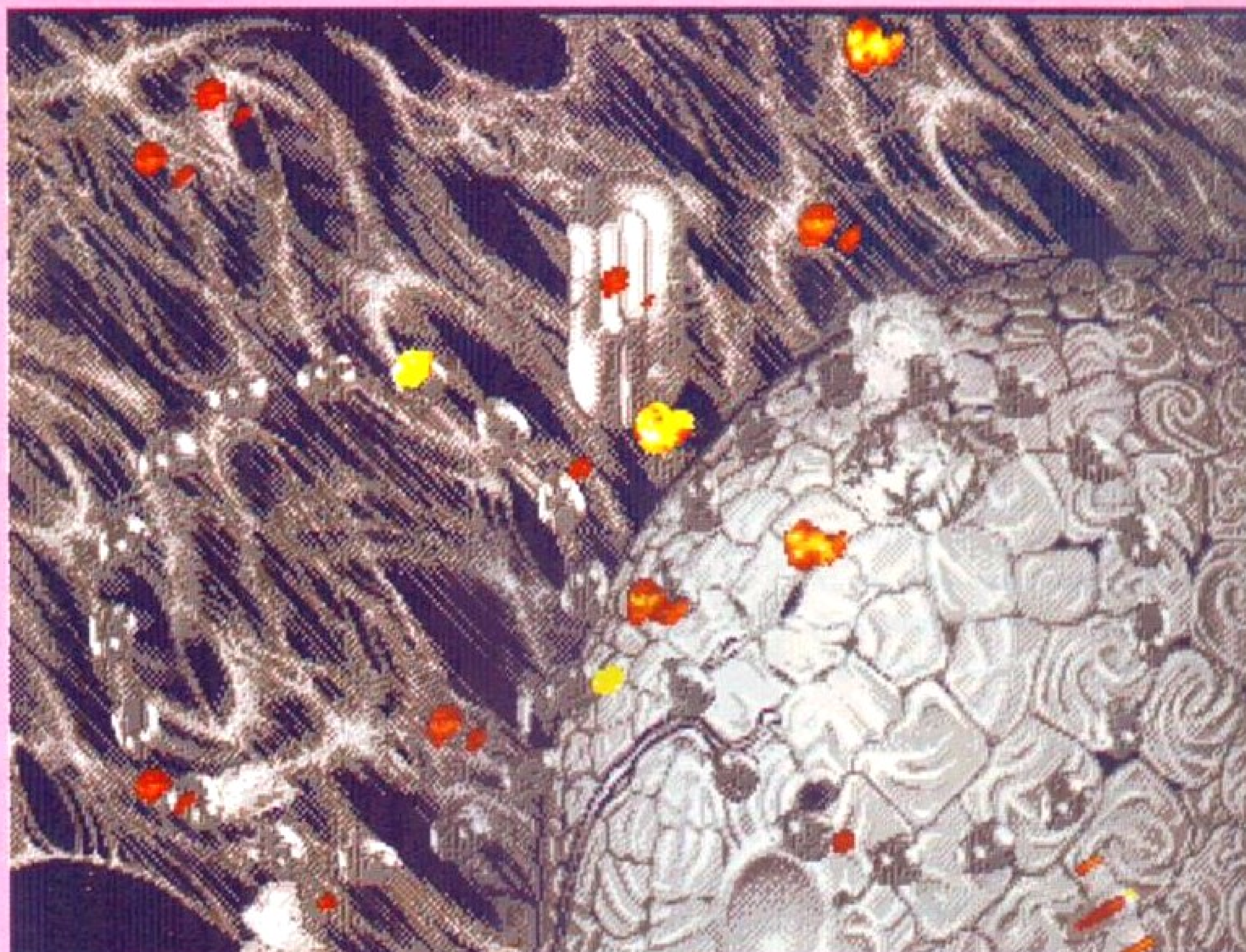
Alright, first an admission. Most of the programs on the disk are very easy to start and get going – with the exception of the programs in the *Genesis* drawer. To use *Genesis* or *Flexiparse*, I regret that you are going to have to get your hands dirty and use the Shell a bit. Loading instructions for these programs are on the relevant pages (8 and 10).

Right, for everything else, loading is very easy. Just turn on any 1Mb Amiga. Put the Coverdisk into the internal drive, and wait for Workbench to load (this takes several seconds, not minutes). Then, move the mouse pointer to the Coverdisk icon, and rapidly click on it twice with the left mouse button. This is called double clicking.

A window will open, displaying the contents of the Coverdisk. To run the *Stardust* demo or the *Cheat Compendium*, simply double click on the relevant icon. Both programs will take slightly longer to load than you are probably accustomed to – so it is best to check the floppy disk drive light to make sure either program is loading.

To run any of the A1200 fixes, just double click on the A1200_Fixes drawer, and then again on the Fix icon that you want to run. There are some icons to click on in the *Genesis* drawer, but these are explanations of how to use *Genesis* and *Flexiparse*, and also an explanation of Constructive Solid Geometry – how *Genesis* actually works.

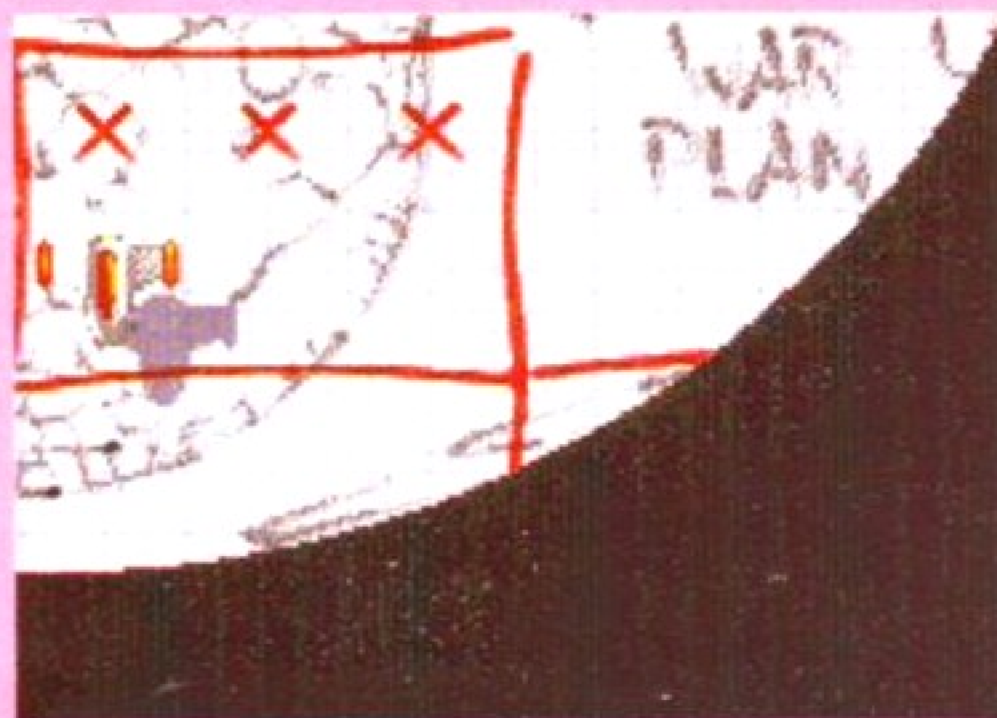
Please note that some programs talked about in the *Genesis* and *Flexiparse* documentation are not included on the Coverdisk, due to lack of space. However, everything necessary for the programs to work from the Shell is on the disk. The missing programs should be available from good Public Domain libraries.



Oh dear, out of time. The screen colours start going absolutely bananas, and the twin rings of aliens drop your life expectancy to mere seconds. Come out blasting or twisting – oops, dead again.

THIS IS AN *Asteroids* play-alike, from a new Scandinavian software house. It's not a clone of the classic arcade hit, but uses the game format with lots of pretty extras added.

If you've never heard of *Asteroids* before, then the basic rules are very simple. You control a spaceship which starts in the middle of the screen. You have to shoot the asteroids, which disintegrate into smaller pieces, which diminish further when shot, until there's just you left on the screen. There, the similarities end and the additions begin. Different coloured asteroids take more or less hits to destroy. As a rule of thumb, grey ones are a pushover and gold ones are very tough nuts indeed.



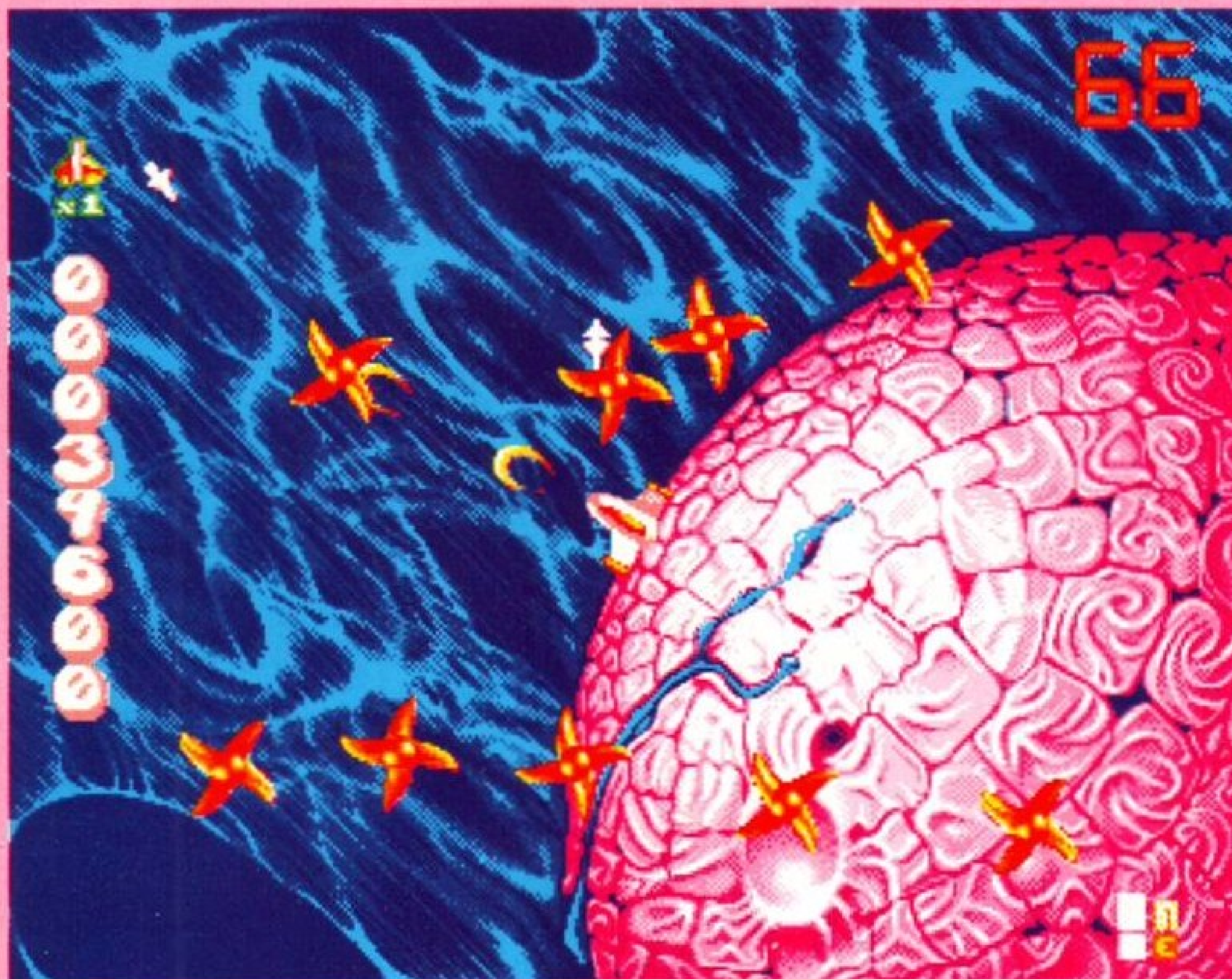
To choose which level you start on, move the joystick to a space without a cross, then press the fire button.

Another major difference is that you have three weapons to deal with the space rocks. The default is Plasma, very similar to the plasma shotgun weapon in *Alien Breed* – come to think of it, the entire game has a certain Team 17 feel about it. Which isn't a bad thing since they haven't produced a naff game yet.

Anyway, the other weapons are a flamer (very effective, but very short range) and a three-way cannon. I find these two pretty ineffective, but other people in the office swear by their own weapon. Having a choice means that you can find your own ways to play the game. Just press the spacebar to change weapons.

At the bottom right of the screen, you will see two status bars. The silver one is for your shield. Pull back on the joystick to activate this – you will be temporarily invulnerable, but the bar goes down rapidly. When it reaches the bottom, there's no more shield unless you pick up the right token.

The rightmost bar is for your energy level. When you hit a rock without your shield on, this goes down.



Time to blip your shield on for the middle mission – those shooting stars swarm all over the screen and it just isn't safe for a little spaceship like this one. Shields on, stars dead – where are the rocks?

When it runs out you explode and lose a life. So it's very, very important to keep both bars as high as you possible can.

To do this, you have to pick up the right token. Tokens sometimes appear when you destroy the smallest asteroids. As the tokens spin, they change type. So it's a question of knowing what all the tokens do, and judging whether it's worth getting or waiting for it to change to something more worthwhile.

The nicest thing about the old asteroids was that you could spend forever with just one tiny asteroid to watch out for, shooting the alien ships to gain points. You can't do this in *Stardust*, because each level has a preset time limit.

If you go over this time limit, then two things happen. First, all current asteroids are destroyed, and the screen goes through a very weird colour change. After that, an alien ship appears, which drops off lots of smaller ships. If this happens, you have to destroy all of these in order to get to the next screen. The rocks are a cakewalk compared to these – so watch your time limit and stay within it.

The final mothership only appears after you have cleared all three levels. Most of the time, your shots will be absorbed into its armour. The mothership only becomes vulnerable when it stops, opens its armour, and shoots at you. It's a bit tricky to finish off (even when it's vulnerable it's a tough cookie) but you should be able to finish the demo within about an hour. The final finished game will feature 30 levels and 10 end-of-level guardians for it – and I bet it's not nearly as easy as this demo!

PICK UPS: WHAT THEY WILL DO

*	Smart bomb
G	Gun power up
C	Control improvement
S	Shield
P	Points
M	Homing missile
B	Mega bomb
X	Extra life *

As with any shoot-em-up, Stardust contains plenty of items to pick up. These take the forms of spinning gold coins, each displaying a letter which shows what the pick up will do. The following table shows the range of pick ups and their effects:

(*although these exist in the real game, we've yet to find one in the demo. Still, there's not much point in three levels, is there?)

If you don't pick the coin up immediately, the letter will change – so if you need a particular weapon or bomb just be patient – it will appear eventually.

Cheat Compendium

M R Whiting, M Collinge
PAL only



Most *Alien Breed* cheats are unprintable – lucky there's one with a shred of modesty.

Want to see the hidden missions on FA/18 interceptor? Or find the elusive (and very rare) infinite energy trick on *Shadow of The Beast*? The Cheat Compendium has these and hints, level codes and passwords for 450 more games, all in an easy-to-use, point and click AMOS program. One word of caution though – it takes about 10 seconds from when you click on the CC icon, to when it actually starts loading. Be patient for this happen.

The authors have been very patient about it going on the disk, sending in updates and fixes over a six month period. All in all, it's a program that can save you many hours of searching through magazines. Admitedly it's a bit weak on solutions for very complex games like *Monkey Island 1* and *2*, or *Eye of the Beholder*.

So most of the games covered are arcade in nature. We make no apologies for this – after all, in-depth adventure games mentioned above can be solved by lots of experimentation and a lot of thought. Whereas if you just haven't got the reactions for an arcade, there's no way you are going to complete it. Go blow the dust off of your uncompleted software collection and see if this program helps!

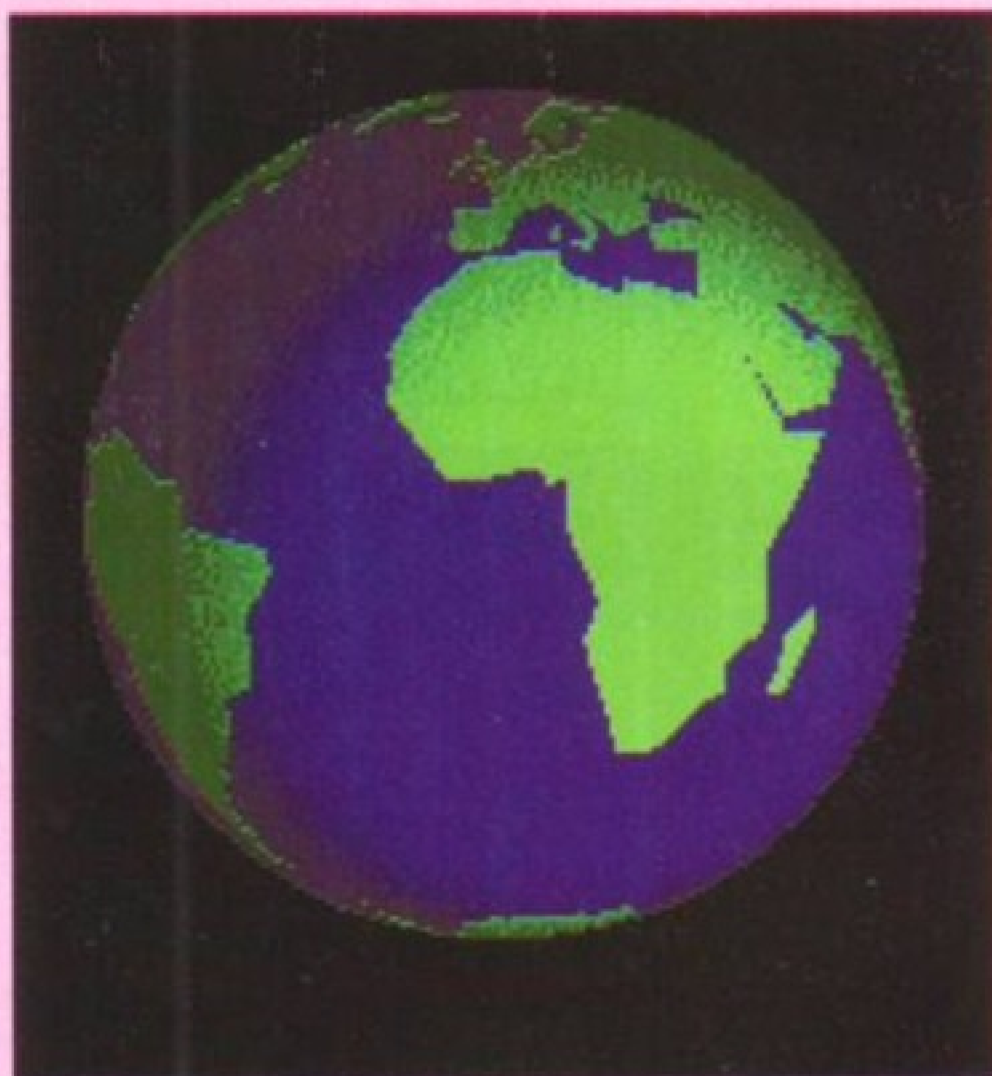
A1200 Fixes

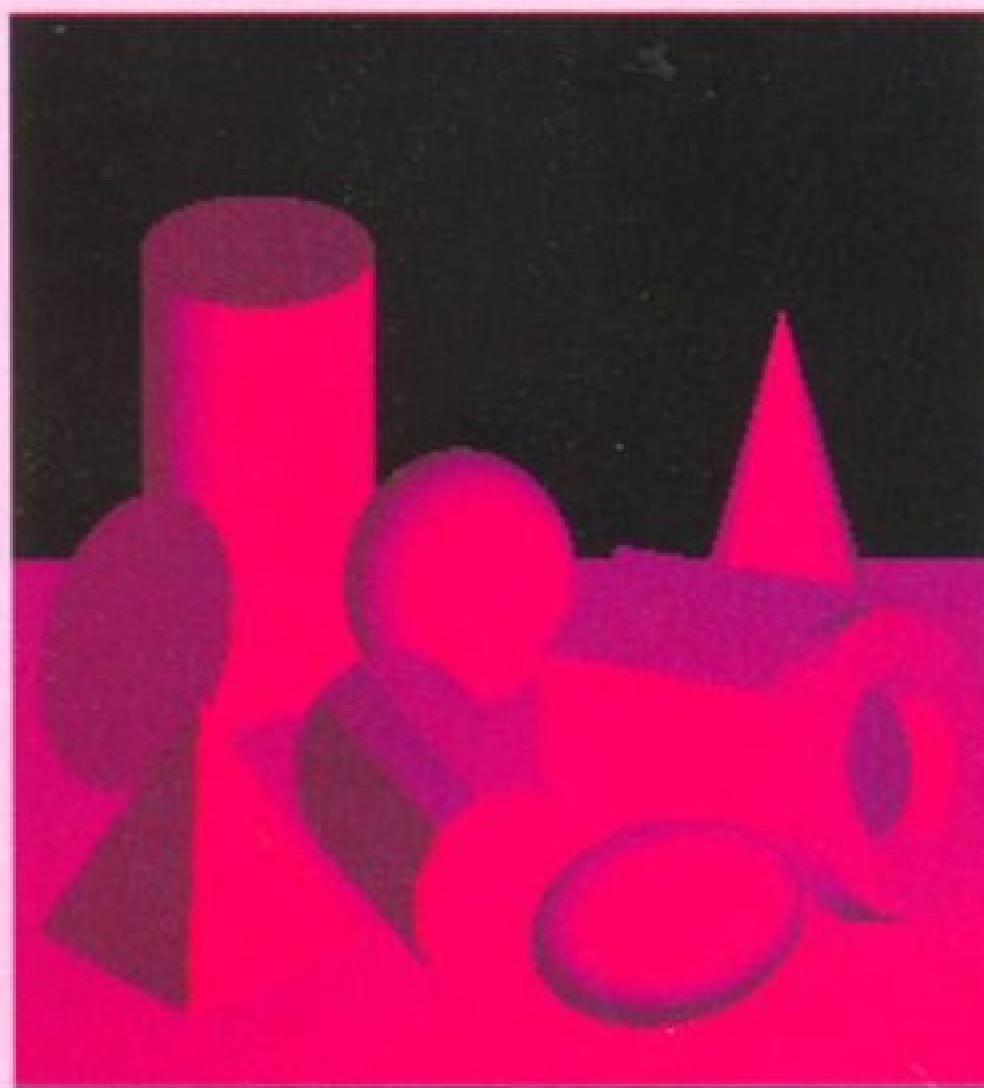
Phill BB ■ A1200s only

Oh, terrible incompatibility problems with the A1200. Doom, doom, the end of the world is nigh. Well, not according to the author of these four patch programs, which allow you to run formerly incompatible games on an A1200. Wow! The fixes in no way alter the disks, so you have to run them everytime before you try loading the games.

The four games in question are *Speedball 2*, *Heimdall*, *Shadowlands*, and *Last Ninja 3*. Well, *Last Ninja 3* actually works fine on an A1200, but it normally doesn't use the extra memory of the machine. If you run the fix first though, then you will have to put up with much less disk swapping.

According to Phil: "Most of the incompatibility problems are down to very poor memory handling". He has been very careful so that the fixes will only work with original disks of the games, and not with pirate copies.


The Earth.model file does not quite render this image – the land is all blue and the sea non existent. With *Genesis*, a tiny change produces huge ones in the finished picture.


Genesis' primitive objects on display – pyramids, cubes, cones, and cylinders are just some of your favourite building blocks which are included.


Computer 3D is best at producing consistently shaped 'artificial' objects like vehicles or buildings. Organic objects are very difficult to mimic with a computer.

Genesis

Steve Woodman ■ PAL/NTSC

THIS BEING A special 3D issue, we thought we had better give you a 3D rendering program, to give you a hands on taste of what it's all about. *Genesis* is far from perfect – it's not complete, nor is the companion program *Flexiparse*. Don't think you can turn out 3D wonders with it overnight, because it's controlled through the keyboard – no nice point and click interface on this program.

The program is closer in design to the ultra expensive mainframe computer graphics system of the early to mid eighties than an up-to-date program like *Real 3D 2*. It cannot even save out IFF files of the pictures it generates. However, included in the *Genesis* drawer is a program called ScreenX, which you can use to get graphics off the screen, and on to a disk. Just because it's clumsy to use doesn't mean it's no good. *Genesis* is a very fast 3D rendering program – faster than anything you will find in the Public Domain. You don't have to be a genius to get results out of it either, because in the Models and *Genesis* drawer, are some preset objects for you to experiment with.

Here's a rough outline of how it works. *Genesis* takes a model file, which is a description of a scene typed into a word processor or text editor. Contained within this file is information like the resolution and number of colours to use for the picture; primitive information about all the models; and incidental information like the viewing position and what perspective to use. Such model files always have the word model as a suffix, for instance "World.model".

First Steps

Before you can run *Genesis*, you must first load Workbench, either from floppy or hard drive. Then find a CLI or Shell icon, and double click on that. Then type;-

```
CD Coverdisk49:Genesis
```

This forces Shell to look for commands from the *Genesis* directory on the Coverdisk – Shell Changes Directory. So, if you only have one disk drive, you have to swap disks. Once you are there though, you can run *Genesis* very simply;-

```
Genesis Models/Cheese.model
```

This will start the rendering program, with the cheese.model file from the Models directory. It takes a couple of minutes or so to finally finish. Incidentally, if you want to see all the models available on the Coverdisk, just type;-

```
List Coverdisk49:Models/Cheese.model
```

Again, a couple of disk swaps will be necessary for single drive users. Not all the files in the Models drawer are model files for *Genesis*. Some are instead in Winsom format (they have the suffix .CSG) and will not work with *Genesis* until they have been processed by *Flexiparse*.

Although *Genesis* models are extremely rare – what's on the Coverdisk is nearly all there are – models in the *Winsom* language are relatively common. Winsom is a constructive solid modelling language that one many awards when it first appeared at Winchester University.

Like *Genesis*, *Winsom* models have to be typed in with a word processor or text file. *Winsom* is a more powerful language than *Gensis* – you can design models with half the statements in *Winsom* than the commands provided by *Genesis*.

In order to quit out of *Genesis* and go back to the Shell, you have to type exit and press return. This tells *Genesis* to exit and go back to the Shell or CLI. *Genesis* can be used interactively – you can type the geometric commands into it one line at a time, and see what happens.

Further Exploration

There's not really much more I can say about the program in this small space, except that a full list of the syntax that *Genesis* accepts is contained in the ReadmeGenesis file (just double click on the icon). Also, if you want to really explore the system, then load the files from the model drawer into a word processor or text editor.

The .model files used by *Genesis* are very complex, and, to be honest, you are better off studying the .CSG *Winsom* files which *Flexiparse* translates into *Genesis* models. *Winsom* is a much simpler system, especially if you have a limited knowledge of computer languages. However, you must open the screens and set the camera viewpoint with *Genesis* – *Flexiparse* cannot do this.

Finally, this set of programs is freely distributable, but may not be altered in any way without permission of the author. Steve Woodman, while fairly happy with *Genesis* as a teaching aid, does not want the program developed further without his say so.

Oh yes, the files Dilbm, Pilbm and MovieMaker are not included on the disk, simply due to lack of space. The readme files have not been touched since they landed on Neil Jackson's desk one day. Now you know who 'Spikey Boy' is.

USING SCREENX

In order to extract the screens from out of *Genesis*, you have to use the supplied ScreenX utility. Using it is fairly simple. Simply double click on the icon from Workbench, and the ScreenX titlebar appears at the top of the screen.

In order to grab a screen from *Genesis*, just flick back to Workbench (pressing Amiga-N and Amiga M toggle through Workbench and launched programs), then point the mouse at the ScreenX titlebar and click once with the left button, and again with the right. Alter the filename and place to save it on the box at bottom right, select the screen you want to grab from the list top left – it's usually the bottom screen on the list – then click on "Save IFF".

You should be aware of two things. First, saving IFF picture files on to disks without enough space on can corrupt the disk. Second, pictures from ScreenX are best loaded and saved in and out of *Deluxe Paint* in order for them to work with other programs. Apart from that, the best of British luck to you!

DUNE II™

BATTLE FOR ARRAKIS

AVAILABLE ON AMIGA

HE WHO CONTROLS THE SPICE... CONTROLS THE UNIVERSE.

A *WESTWOOD* PRODUCTION FOR *VIRGIN GAMES*

DUNE IS A TRADEMARK OF *DINO DE LAURENTIIS CORPORATION*
AND LICENSED TO *MCA/UNIVERSAL MERCHANDISING INC.*
© 1984 *DINO DE LAURENTIIS CORPORATION.* ALL RIGHTS RESERVED.
© *WESTWOOD STUDIOS INC.* ALL RIGHTS RESERVED. (P) 1992 VIRGIN GAMES LTD

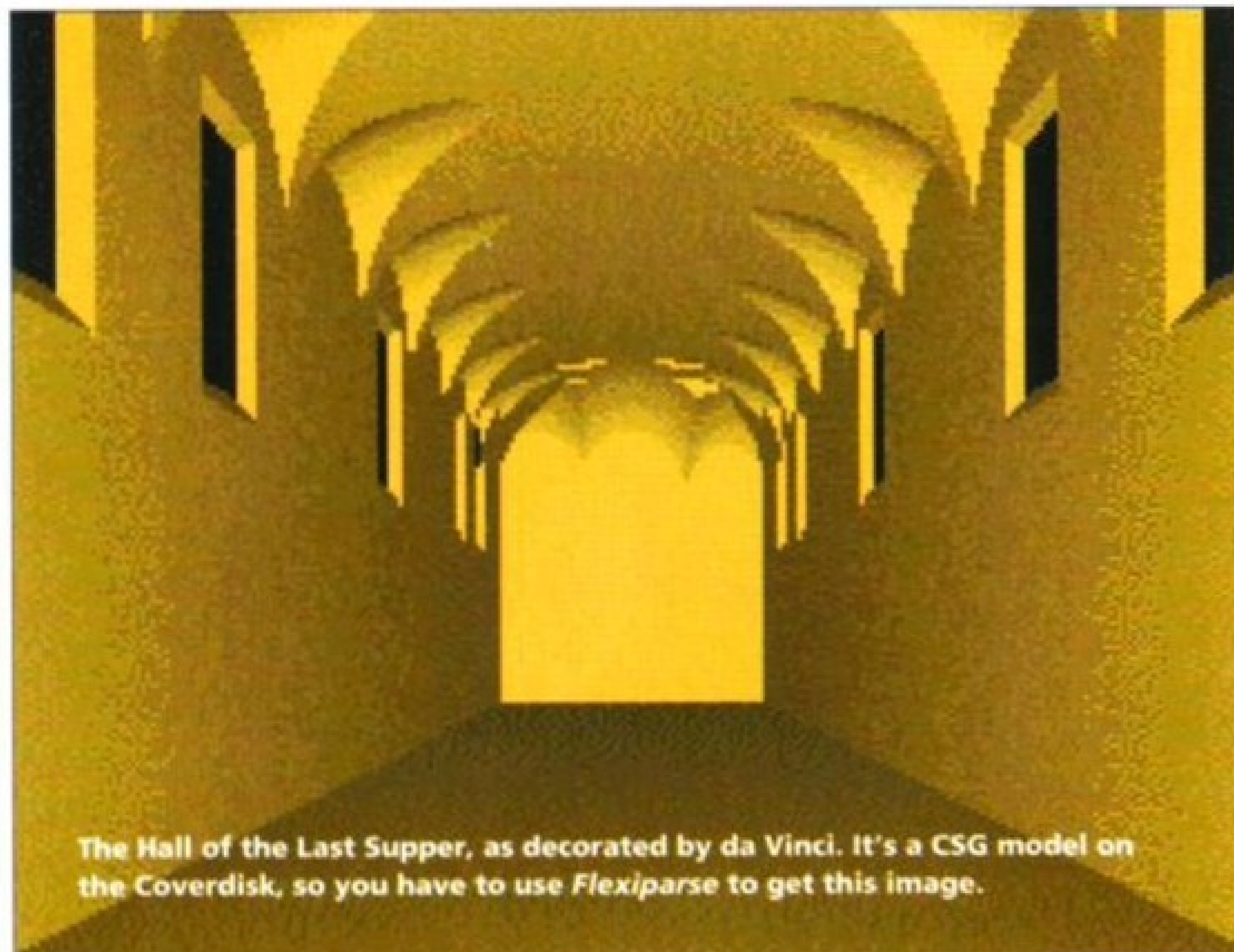
PRODUCED BY *BRETT W. SPERRY.* DIRECTED BY *AARON E. POWELL, LYLE J. HALL.*
DESIGNED BY *AARON E. POWELL, JOE BOSTIC.*
PROGRAMMED BY *JOE BOSTIC, SCOTT K. BOWEN.*
TEXT BY *DONNA J. BUNDY, RICK GUSH.*
ART & ANIMATION BY *AARON E. POWELL,*
REN OLSEN, JUDITH PETERSON, ERIC SHULTS,ELIE ARABIAN.
MUSIC AND SOUND BY *FRANK KLEPACKI, DWIGHT OKAHARA.*
FOR VIRGIN GAMES UK:
PROJECT CO-ORDINATOR *DAN MARCHANT, PETER HICKMAN.*
QUALITY ASSSURANCE BY *JOHN MARTIN, DARREN LLOYD,*
KEN JORDAN, RICHARD HEWISON, PAUL COPPINS.
MANUAL LAYOUT BY *DEFINITION.*
TRANSLATIONS BY *POLY LANG.*
PACKAGING BY *MICK LOWE DESIGN.*
ARTWORK & CREATIVE CO-ORDINATION BY
ANDREW WRIGHT & MATT WALKER .
MANUFACTURING CO-ORDINATION
BY *ROSEMARIE DALTON.*
EUROPEAN MARKETING: *ANDREW WRIGHT.*
VGA SCREEN SHOTS SHOWN

Westwood™ STUDIOS



Flexiparse

Steve Woodman
PAL/NTSC


The Hall of the Last Supper, as decorated by da Vinci. It's a CSG model on the Coverdisk, so you have to use *Flexiparse* to get this image.

This is a really specialised program – it's only of real interest to those who have some *Winsom* graphic models that they can import to their Amigas. We're really only talking about university types and 3D specialists – but wherever *Genesis* goes, *Flexiparse* should go with it. If only to translate the *Winsom* .CSG files found in the Models drawer into true *Genesis* models.

However, there's quite a few quirks and a couple of bugs in *Flexiparse*. The reason it and *Genesis* are on the disk is to give you, the reader, a few insights into the highly complex and maths based world of computer 3D graphics.

Nobody would pretend that you could become an expert in the subject overnight. *Genesis* is educational, but only in teaching broad concepts. *Flexiparse* is simpler to understand *Genesis*, by a long stretch.

Here's how it works. Follow the same procedure as for *Genesis*, that is, type this into a Shell or CLI;-

```
CD Coverdisk49:Genesis
```

Then just type the name of the program to get it going;-

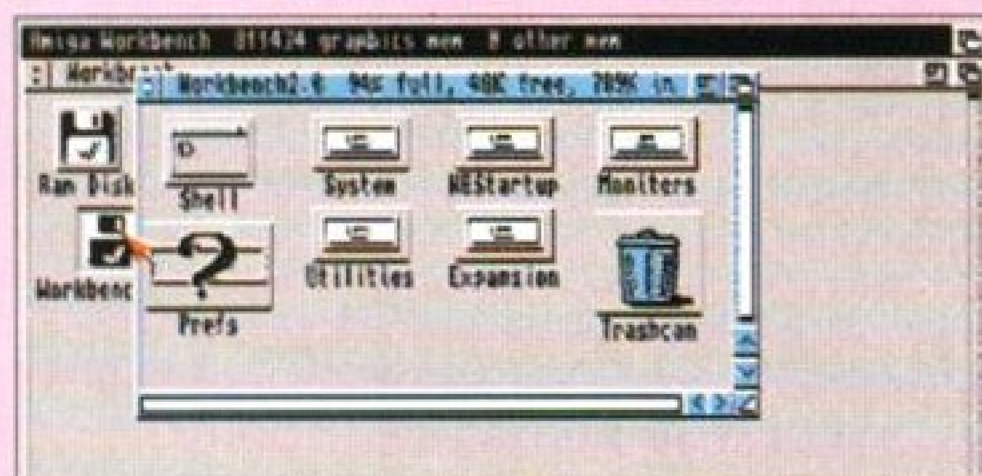
```
Flexiparse
```

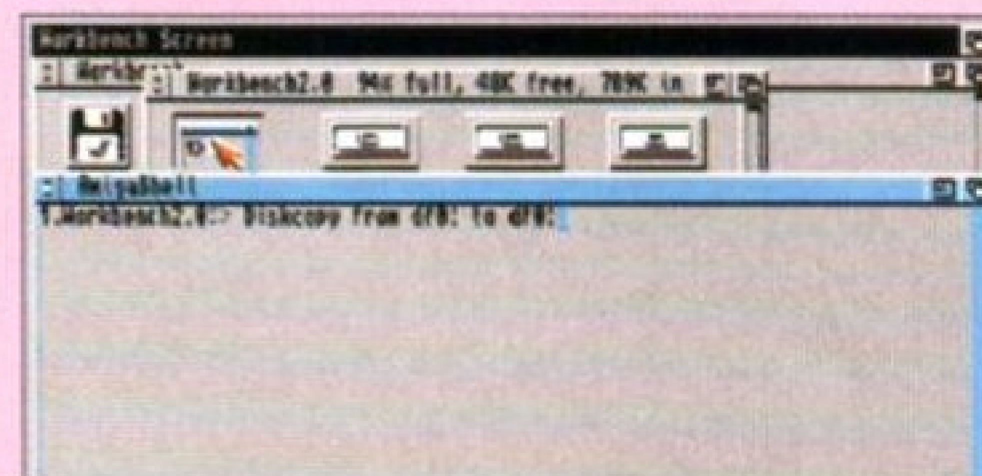
The computer needs two different file names. The first it the name (and location) of the *Winsom* .CSG file that you want to convert. The second is the output directory – where you want the *Genesis*.model code to go, plus a name to identify it.

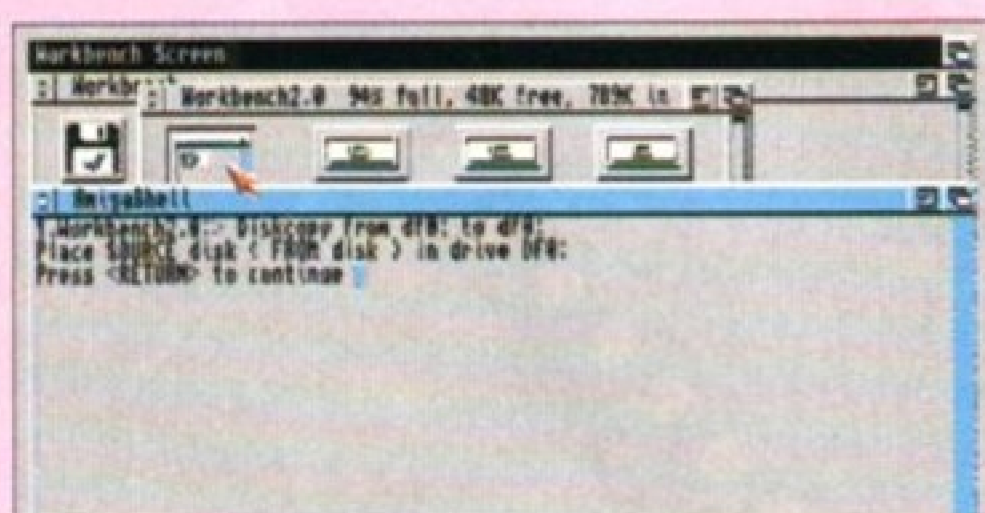
The program takes about five minutes to convert a 5000 line file from .CSG to .model format. That's on a floppy-based system. On a hard disk it's more like about one minute. Quite a saving, when you consider you may have to work and re-work the final picture, for not getting it right at the start.

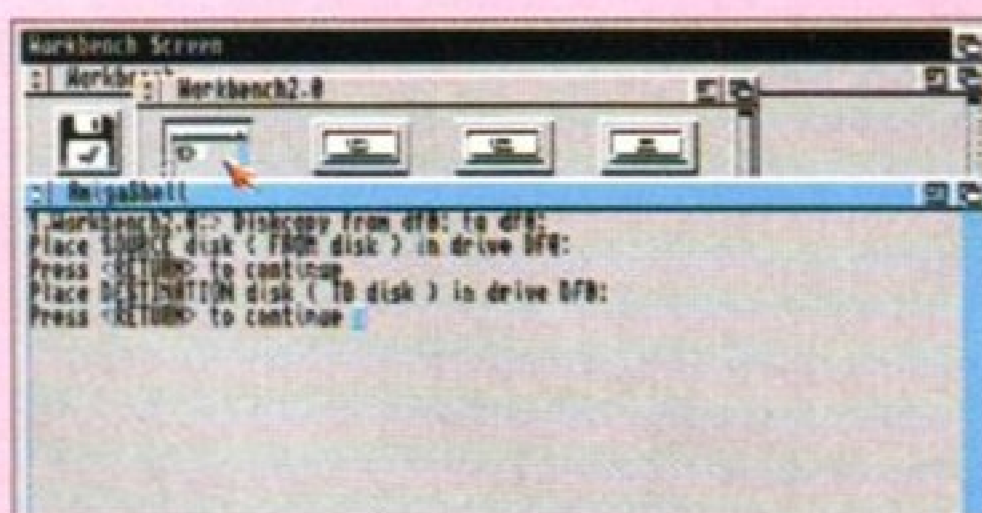
Backing up your Disk

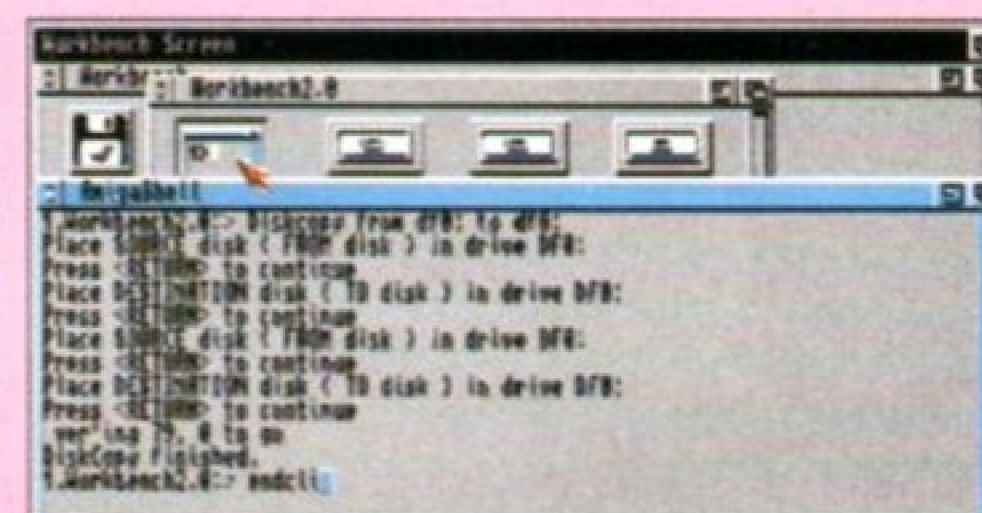
There are two ways of making a copy of your disk, and this is the easy one. Don't be daunted by the fact that you need to use the Shell or CLI: it's actually a lot easier than you might think. Just follow these simple steps...


1 Load your Workbench disk. Open the disk, find the icon that says Shell or CLI and double-click on it.


2 When the Shell window appears and the drive light is out, type in (DF0 as in Zero, not DFO as in Oops):
`Diskcopy from DF0: to DF0:`
and press the Return key.


3 The Amiga will now ask you to insert the 'source' disk. It means the disk you want to copy, so put the Coverdisk in the drive and press the Return key.


4 Wait for a while and it will read all the information off the Coverdisk, telling you how far it has got. Then it will ask you to insert the 'Destination' disk. Put the disk you want to copy your Coverdisk on to in the drive and press the Return key. Note that the disk does not need to be formatted already.


5 Put the source disk and destination disk in a couple more times when the Amiga asks for them. When it says "Diskcopy Finished" just type in:
`endcli`
to get out of the Shell or CLI. You may have to put the Workbench disk in again. Now your copy is ready!

Disk not working?

We duplicate nearly 200,000 disks every month. Out of all those, obviously a few will be faulty. If the disk or any of the programs will not load or run properly, there may be a problem. Don't panic!

First try using the *DiskDoctor* utility on your Workbench disk to rescue it before sending it off for a replacement. In-full details of *DiskDoctor* can be found in the user's manual that came with your machine.

However, if your Coverdisk is in fact faulty, you should send it back INCLUDING A STAMPED, ADDRESSED ENVELOPE for a free replacement within one month of the cover date to:

Amiga Format August Disk
Disk Copy Labs Ltd
Units 2&3
Omega Technical Centre
Drayton Fields
Daventry
Northants
NN11 5RT

THE LATEST ADDITION TO THE NO.1 WARFARE SIMULATION

With an amazing eight-month stand in the Gallup charts!

The biggest and best wargame… …just got bigger and better.



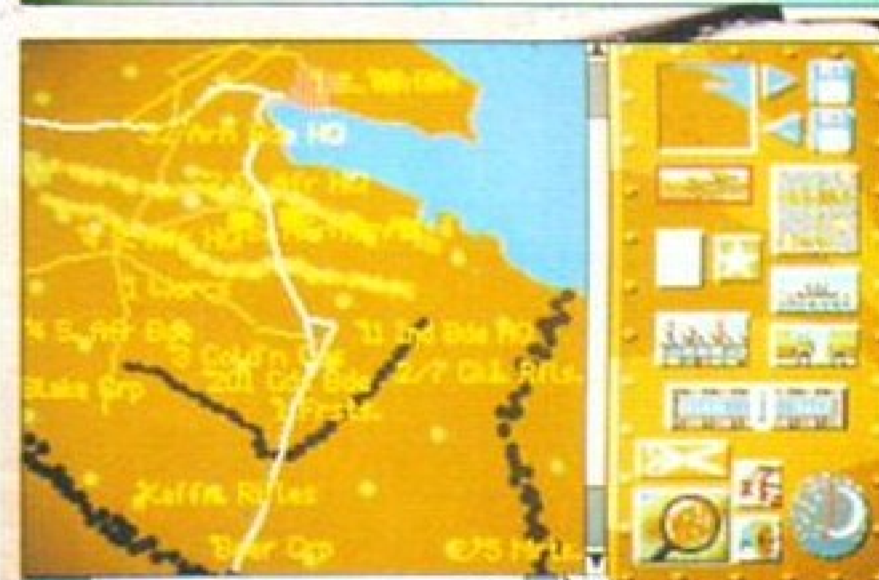
- A must for all Campaign enthusiasts, bringing you another 25 stunning maps covering most of the major land conflicts of the Second World War.
- These highly detailed and exciting missions from North Africa to Northern Europe will challenge your strategic abilities and test your tactical skills.
- A most prestigious addition to the highly successful, award winning, strategic and tactical war simulation: CAMPAIGN!

IBM PC & Compatibles, Amiga, Atari St.









The Spires, 677 High Road
North Finchley, London N12 0DA
Tel: 081-343 7337

empire SOFTWARE

Campaign and Campaign Special Edition are copyright of Empire/Jonathen Griffiths.
© 1992-1993 All Rights Reserved.

* In order to utilise this Campaign Special Edition, you must already own the full version of Campaign.



THE CENTRE OF TEC

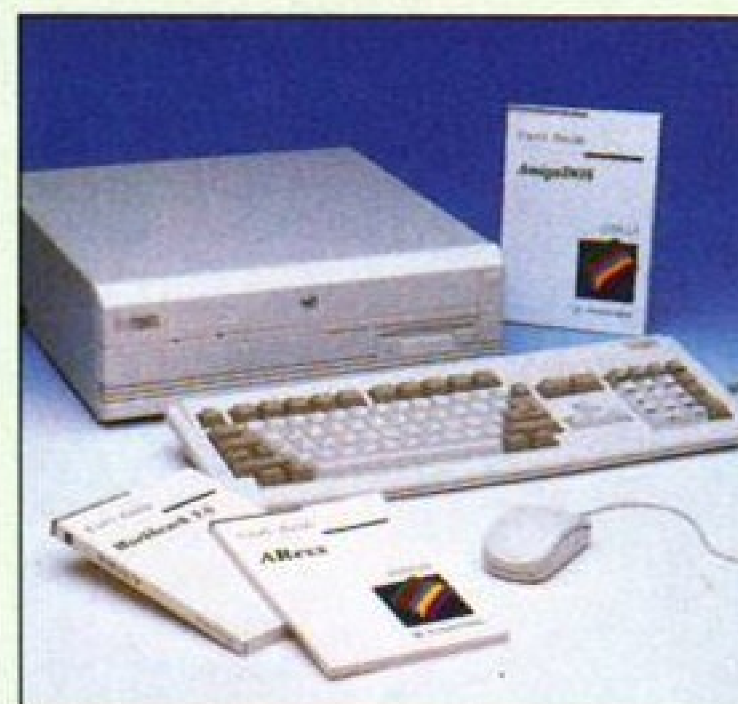
WTS ELECTRONICS LTD, CHAUL END LANE, LUTO



Amiga 1200 Packs

- 32-bit 68020 Full power
- On site warranty
- Two Python joysticks
- Free Paint package software
- Mouse mat

A1200 Standalone	£369
A1200 with 20MB	£459
A1200 with 40MB	£499
A1200 with 60MB	£539
A1200 with 80MB	£559
A1200 with 120MB	£629
A1200 with 200MB	£699



Amiga 4000 Packs

- AGA Chip set
- 68030/40 processor
- Co-pro option
- 2MB/4MB RAM

A4000 030 with 80MB HD & 2MB	£899
A4000 030 with 80MB HD & 4MB	£999
A4000 030 with 120MB HD & 4MB	£1099
A4000 040 with 120MB HD & 6MB	£2139

A500 Plus

Amiga 500 Plus	£187
Cartoon Classic pack	£217

A1200/A600 Hard Drives



- Easy to install upgrade kits
- Full instructions and cables where necessary
- All drives supplied with formatting instructions and software
- Free fitting available - phone for details

20MB HD Upgrade Kit	£95
40MB HD Upgrade Kit	£135
60MB HD Upgrade Kit	£169
80MB HD Upgrade Kit	£189
120MB HD Upgrade Kit	£269
200MB HD Upgrade Kit	£329

A1200/A600 Upgrades

A1200 PC1204 4MB + clock (Co-pro option)	£178
ProRam 2MB PCM-CIA A600/A1200	£118
ProRam 4MB PCM-CIA A600/A1200	£172
ProRam 1MB A600	£39
A1200 Real Time Clock	£17

Amiga 500 Hard Drives



High Quality GVP Hard Drives

	A500	A1500
120MB	£429	£382
500MB	£989	£942
1GB	£1189	£1142

Internal Hard Drives for A500

- Easy to install - Full instructions
- ICD technology

Pro Internal 20MB hard drive	£175
Pro Internal 40MB hard drive	£245
Pro Internal 80MB hard drive	£325
Pro Internal 120MB hard drive	£375
Pro Internal 200MB hard drive	£475
A570 CD drive	£149

Monitors



Philips 8833 MKII Monitor	£219
Commodore 1084s	£194

- When purchasing with an Amiga deduct **£10** from above pricing
- Dust cover for the above **£5**

SVGA Monitors



- 14"/20" Super high resolution colour display
- Professional IBM compatibility
- Complete with cable
- Full UK warranty
- Tilt & swivel stand

A1200 SVGA Monitor (Displays high productivity modes)	£228
A1200 SVGA+ Monitor (Displays all modes high and low)	£389
A1200 SVGA plus 20" Monitor (Displays all modes ideal for DTP,CAD etc.)	£1044

Workstations



- Ergonomically sound
- Facilitates up to three external floppy drives
- Made in the UK
- Strong and robust
- Aesthetically pleasing
- Keep your desk neat and tidy
- Supplied complete and assembled with free mouse mat

A500 Workstation	£36
A600 Workstation	£36
A1200 Workstation	£36
Workstation Coverall dust covers	£7

Peripherals



100 Capacity lockable disk box	£5.99
Squick mouse	£13.99
Mouse mat	£1.99
TDK high quality DSD (10) disks	£9.99
Computer Mall DSD (10) disks	£6.00
Jet Fighter joystick	£13.99
Apache joystick	£6.99
Python joystick	£9.99
Zipstick joystick	£14.99
Screen Beat speakers	£29
Zi-Fy speakers	£39
A500/A600/A1200 Dust cover s	£4.99
Trackball controller	£24.99
Control pad joystick	£14.99
A500 Modulator	£36.00
Mini Office package	£54.99
Vast range of leads	Please call

Scanners



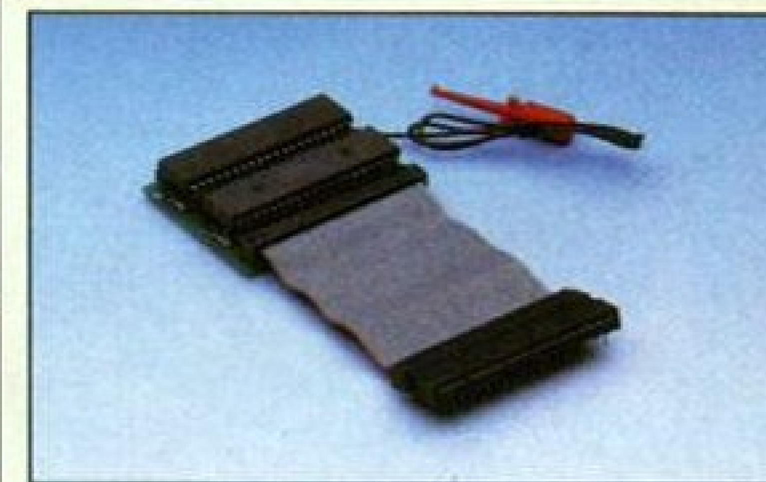
- Allows image processing in a useful and unique fashion
- Comes complete with operation manual
- One of the fastest growing applications for home and professional users
- High specification coupled with cost effective pricing

Power Hand Scanner

- 64 greyscales 100-400 DPI
- Thru'port to printer
- Fully compatible with Delux Paint 4, etc.
- Advanced software

Power Hand Scanner v3.0	£105
Power Hand Scanner Colour	£229

Pro ROM Swapper



- Swap between Kickstart chips
- Fits A500, A500+, A600,A1500
- Auto swapping via keyboard control
- Flexible cable allows the swapper to work in conjunction with accellerators etc.
- Simple to fit - full instructions

Pro ROM Swapper	£18
Pro ROM Swapper + 1.3ROM	£37
Pro ROM Swapper + 2.04ROM	£40
Workbench 2.04 plus manuals	£49

eason al Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale • Seasonal Sale

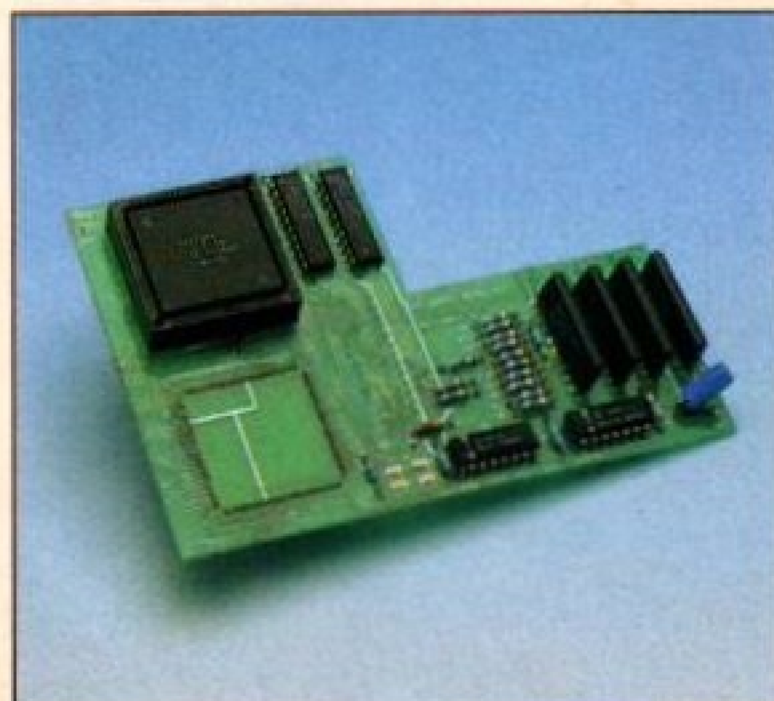
HNICAL EXCELLENCE

Est. since 1984



N, BEDS, LU4 8EZ TEL (0582) 491949 (6 LINES)



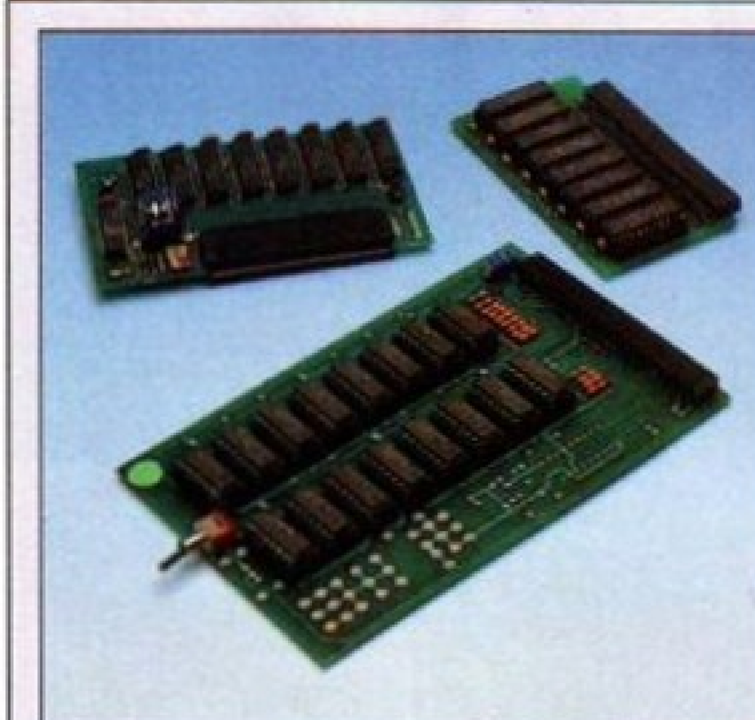


Pro Agnus 2MB

• Provides a full 2MB of Chip Memory for the Amiga 500 and A1500/2000 • Designed and built in England • Supplied with 8375 Obese Agnus • Includes 2Mb Memory on board in the form of low power Zips • Allows the processing of elaborate animation and sound sampling • Provides the same max. chipmemory as the A3000/A600 &500+ • Increases addressable memory space from 9MB to 10MB • Complete with full instructions and flying leads • British made

• Pro Agnus 2MB **£139**

(Free fitting available - Phone for details)



A500 Memory Expansions

A500 Pro-RAM 0.5 Meg. Upgrade

- Allows 1MB software to run
- Chip memory compatible
- British made

- Without clock **£16**
- With clock **£19**

A500 Pro-RAM 1.5 Meg Upgrade

- Gives a full 2MB of memory **£74**

A500+ 1MB Meg Upgrade £29.95

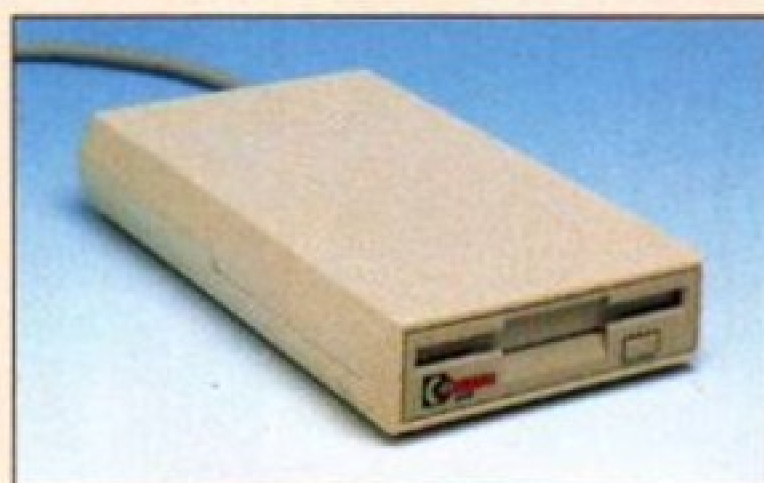
High Current Power Supply



- Allows the addition of peripherals without damage to computer or power supply
- Why risk damaging your expensive kit when one simple investment will ensure total peace of mind now and for the future
- Switch mode design
- Full crow bar projection
- British made

- A600 Power supply unit **£44.95**
- A500 Power supply unit **£44.95**
- A590 Power supply unit **£44.95**
- A1200 Power supply unit **£54.95**
- A2000 Power supply unit **£99.95**

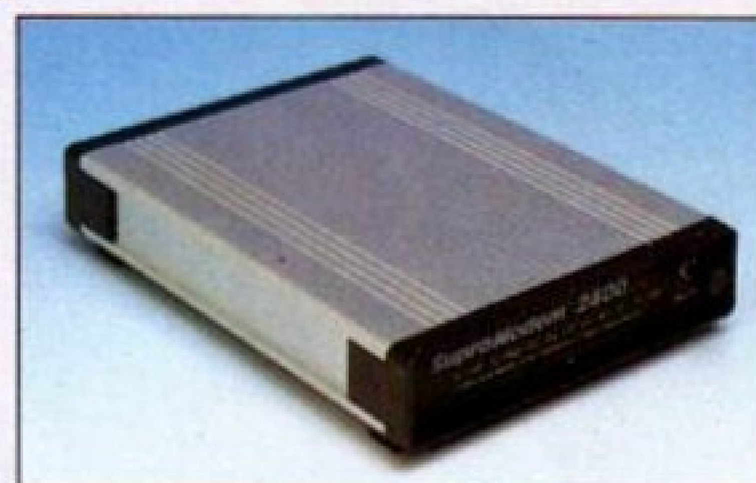
Cumana 3.5" External Drive



- High Quality
- Renowned and proven reliability
- Top notch specification
- Anti-click
- Long moulded cable
- Slimline design
- High impact plastic

- Cumana external drive **£59**
- Cumana external drive + 100 capacity disk box **£62**
- Cumana external drive + 100 disk box + 20 blank disks **£68**
- A500/A500+ Internal replacement disk drive **£46**

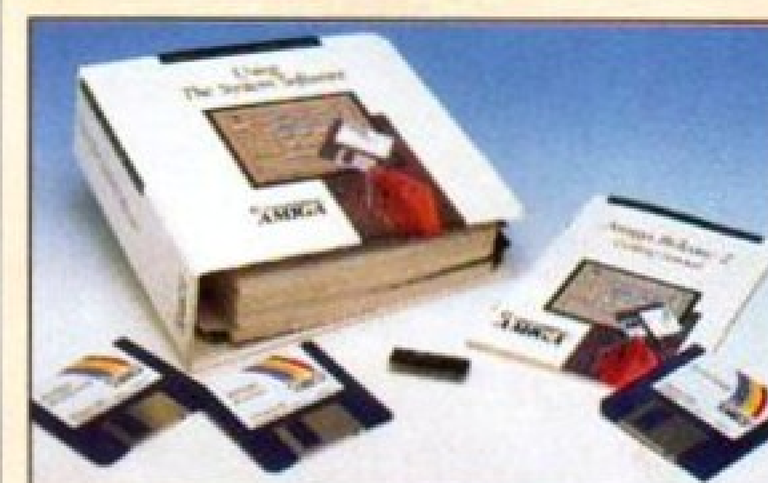
Supra Modems



- Utilise hundreds of PD Bulletin Boards
- Communicate with fellow computer users
- Cuts down on telephone bills by using fast efficient baud rates
- 100% Hayes compatible
- Tone pulse, Auto Dial/Auto Answer
- Standard RS232 Interface
- Programmable number storage
- Free Coms software

- Supra 2400 Modem **£89**
- Supra Fax Plus (0-9600 BPS) **£148**
- Supra v.32 BIS (Fax Modem) **£358**

Chips and Spares

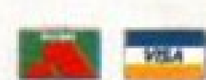


- WTS have sole distribution rights from Americas biggest Commodore chip distributor

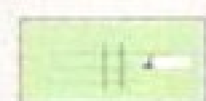
- Workbench 2.04 Kit (Includes manuals, disks & chip) **£78**
- Kickstart 2.04 **£24**
- Kickstart 1.3 **£26**
- Kickstart ROM Swapper (Swap between kickstarts) **£18**
- Fatter Agnus 8372 **£49**
- Obese Agnus 8375 **£54**
- High Res Denise **£29**
- 1MB x 9 Simms (3 chip) **£29**
- 1MB x 4 Zips **£14**
- 8520 CIA **£13**



SALES HOTLINE 0582 491949 (6 LINES), 0480 471117 (24HR), FAX ON 0582 505900



Credit Card ordering by phone is easy. Simply phone our sales hotline quoting your credit card number., expiry date, name and address and the products you wish to order and we'll do the rest. Alternatively write the above details on your letter when ordering by post.



When ordering by post in cheque form please write your cheque card guarantee number on the reverse of the cheque and send along with your order. Postal Orders are also accepted.



NO DELIVERY CHARGES TO UK MAINLAND. MINIMUM ORDER AMOUNT £15.00.
Should you wish your order to be sent by courier service please add £5. This method includes Comprehensive insurance.



WARRANTY: One year return to base (excluding chips).
ONE YEAR EXTENDED WARRANTY: Available on all products (excluding chips) at 10% of purchase price when ordering.

WHERE TO FIND US!

Head Office
WTS Electronic Ltd
Chaul End Lane
Luton
0582 491949

Computer Mall Bedford
No.16 Downstairs
The Harpur Centre
Bedford
0234 218228

Computer Mall St. Neots
No.6
Priory Mall Shopping Centre
St. Neots
0480 471117

Computer Mall Hertford
49 Railway St.
Hertford
0992 503606

Computer Mall Dunstable
84 High Street North
Dunstable
Bedfordshire
0582 475747

All prices quoted or products stocked are subject to stocking levels and availability. WTS cannot be held liable or supply reimbursement for force majeure, or items, which are out of stock due to demand or low stock at its suppliers which may result in delayed delivery or non delivery, payment with order, please allow 28 days for delivery. WTS reserve the right to ammend prices, revise packs, specifications and or substitute product wihtout prior notice at any time without liability upon itself.

BLASTAR

- 12 different stages
- Hundreds of intelligent hybrid aliens
- Multi-directional scrolling
- Fully animating backgrounds
- 800K of hardcore techno-trance music
- Multi-layer parallax
- 3 Mega-bytes of graphics
- Over 400 screens of playing area
- 200K of sound effects
- State of the art alien control



Available on the Commodore Amiga (1 Meg only)

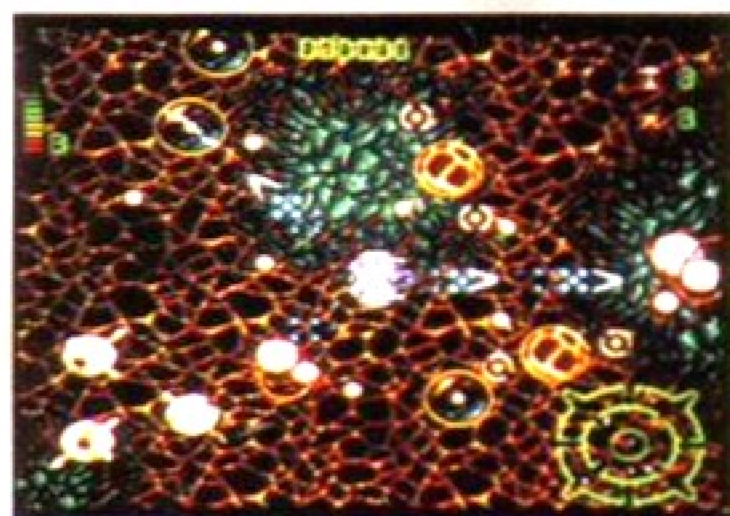


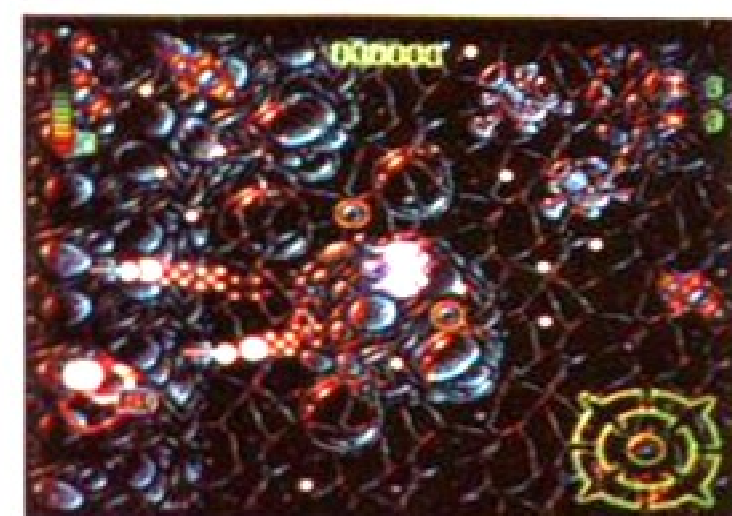
Screen shots taken from the Amiga version











CORE DESIGN LIMITED

Tradewinds House, 69/71A Ashbourne Road, Derby, DE22 3FS, Telephone (0332) 297797, Facsimile (0332) 381511

NEWS brief

MORE SCANNER SUPPORT



American company ASDG continue their support for Epson and Sharp scanners.

ASDG are continuing developing for the Amiga market and have increased their scanner support via *Art Department Professional* by adding the Hewlett Packard Scanjet IIc to the existing drivers for Epson and Sharp scanners. Also coming soon from them will be an updated version of *CygnusEd*. For further details call Meridian Software Distribution on 081-543 3500 .

MIDI FOR HUMANS

is the title of a planned series of video tutorials from RTPS systems. Aiming to be the 'industry standard to which everyone will turn' for MIDI information and advice, the course is designed to span the full gamut of MIDI usage. The project is in planning, and anyone wishing to discuss ideas or sponsorship should contact Robert Treen on 0869 278470.

VIDEO TIMELAPSE

Optonica have a product designed to help create timelapse videos. It uses a point and click interface to offer control over single frame video photography. An interesting feature is the hardware trigger which allows frames to be recorded when triggered by anything from a disk being inserted to motion, heat, light or sound by using a system of external detectors. We'll be putting it to the test as soon as we can get our hands on one. Optonica – 0455 558282.

MORE SIMPATICA

Not satisfied with producing the preferred single frame rendering system among Amiga professionals, Optonica have now improved it. *Simpatica 2* is AGA compatible, and has a new 24 bit rotoscoping feature. This allows images to be single frame digitised to disk, and then manipulated in Amiga graphics packages, allowing T2 style video morphing, among other things. An upgrade costs £49.95, the new program £350.

Amiga prices go crazy

AS PREDICTED in last month's issue, the recommended retail price of the A600 has fallen to £199.99 for a stand alone machine and £229.99 for the Wild Weird and Wicked bundle. The hard drive based Epic pack now costs £349.99 – at this price it has to be worth getting for new users who want more than just a console, but cannot run to the A1200's price range. David Pleasance, Commodore's general manager of marketing said: "We've always striven to make the Amiga 600 a truly affordable machine for youngsters and newcomers to the Amiga world. With this spectacular new price there's never been a better time to be shopping for a home computer."

Existing owners on the upgrade path have been given an incentive too. Perhaps aware of what the A600 price plummet will do to A500 resale values, Commodore have initiated an official trade up scheme. You A500 will now fetch you £100 against the purchase of a new A1200. These deals are available at Commodore dealers now.

"We've always striven to make the A600 a truly affordable machine." And at the new £199.99 price point it certainly is.

On a less pleasant note, the price of the A4000/030, Commodore's best value machine, have risen. It seems they have held the price of the base machine while reducing the standard configuration. £999 now gets you an 80Mb HD and 2Mb of RAM. £1,099 is the new price for the 80Mb model with 4Mb of RAM and a 4/120 configuration will cost you £1,199.

The new base configuration is simply not adequate. An 80Mb hard drive is the minimum we would recommend for an A4000 and 2Mb of RAM can't even accommodate *Art Department Professional*. It is preposterous that Commodore should offer the machine at that spec. Since its release, demand for the 4000/030 has outstripped supply, and it is possible Commodore are capitalising on the new machine's popularity.



Prices of the two existing A4000/030 models have risen, and Commodore have introduced a new base configuration with just 2Mb of RAM.

CLIP ART CORRAL



Wild West clip art – sound like your cup of black-eyed beans? Then phone Diskotech.

"**NO OTHER TYPE** of film has such durable universal appeal" waxes Diskotech about the Western. We're not sure we agree, being sci-fi fans here in *AF*, but we agree that £15 for a two disk package of Western movie-themed clip art is a fair deal. Especially when it contains over 2,300 individual graphics.

The package is designed for creating cowboy-style animations in *DPaint* and other similar animation paint packages. Diskotech – 05912 242.

Cool Spot heads Virgin releases

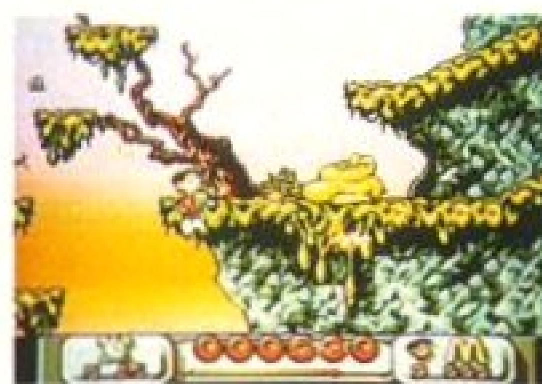
VIRGIN GAMES HAVE announced a host of new Amiga titles planned for later this year.

The first two are due for release in July. *McDonald's Global Gladiators* is Virgin's second tie-in with the burger chain, and on first sight the colourful graphical style looks more promising than the appalling *McDonald-land* (*AF*41 – 44 per cent). Also for release in July will be *Apocalypse*, the long-awaited helicopter shoot-em-up developed by Miracle Games. We've played both of them, and they are certainly almost there – look out for reviews next issue.



The spot from the 7-Up logo makes it big at last with Virgin's release of *Cool Spot* on the Amiga.

The big news is that *Cool Spot*, the recent hit on the console-toys, is to be developed for the Amiga. Virgin's Caroline Stokes told us: "All I can tell you is the Amiga version will be released for Christmas, and it will be absolutely brilliant." If you're lucky, you might, just might, find a Coverdisk demo of the game on the front of our Christmas issue.



Mick and Mack are back in *Global Gladiators*, another eco-conscious release from Virgin.

NEWS brief

COME TOGETHER

There are a host of user groups on the Amiga scene, and we've just received the first newsletter from a brand new CDTV User Group. If you have one of the shiny black units and want to share your knowledge and experiences with others in a similar position, give them a call on 0785 27059.

24 MOVES

The 24-bit club are on the move. They are now available at 6 Skirsa Square, (Dept AF) Glasgow, G23 5DW.

Their services include free access to backdrop and texture files in numerous different formats, free access to their objects library, free access to their animation library, and an advice service.

They also have a more general Amiga help service, which offers a huge free PD library, a free huge font collection, a clip art collection and a personal advice service (about your machine not your marriage we suspect). Fees are a very reasonable £20 for each service, or £35 for both. Drop them a stamped addressed envelope to the address above for details.

AVEC SOUS-TITRES

Zen Computer Services have developed an Amiga-based subtitling system. *Euro Titler* is for use in off line preparation and on line production, and has been adopted by Granada for their *Disappearing World* series. It offers one or two line subtitles, boxed or unboxed, anti-aliased font support and more. All you need now is a rudimentary command of French and you can convert your bedroom videos to art house movies. Call Zen on 061-793 1931.

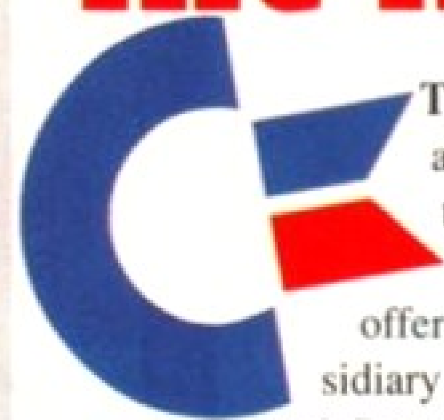
KUMA BOOKS FOR STUDENTS

If you need the complexities of spreadsheets and DTP demystifying, then give Kuma a call on 0734 844335. They have just published books on both subjects designed to help students get the most out of the specific subject areas.

MERIDIAN GET VISTA

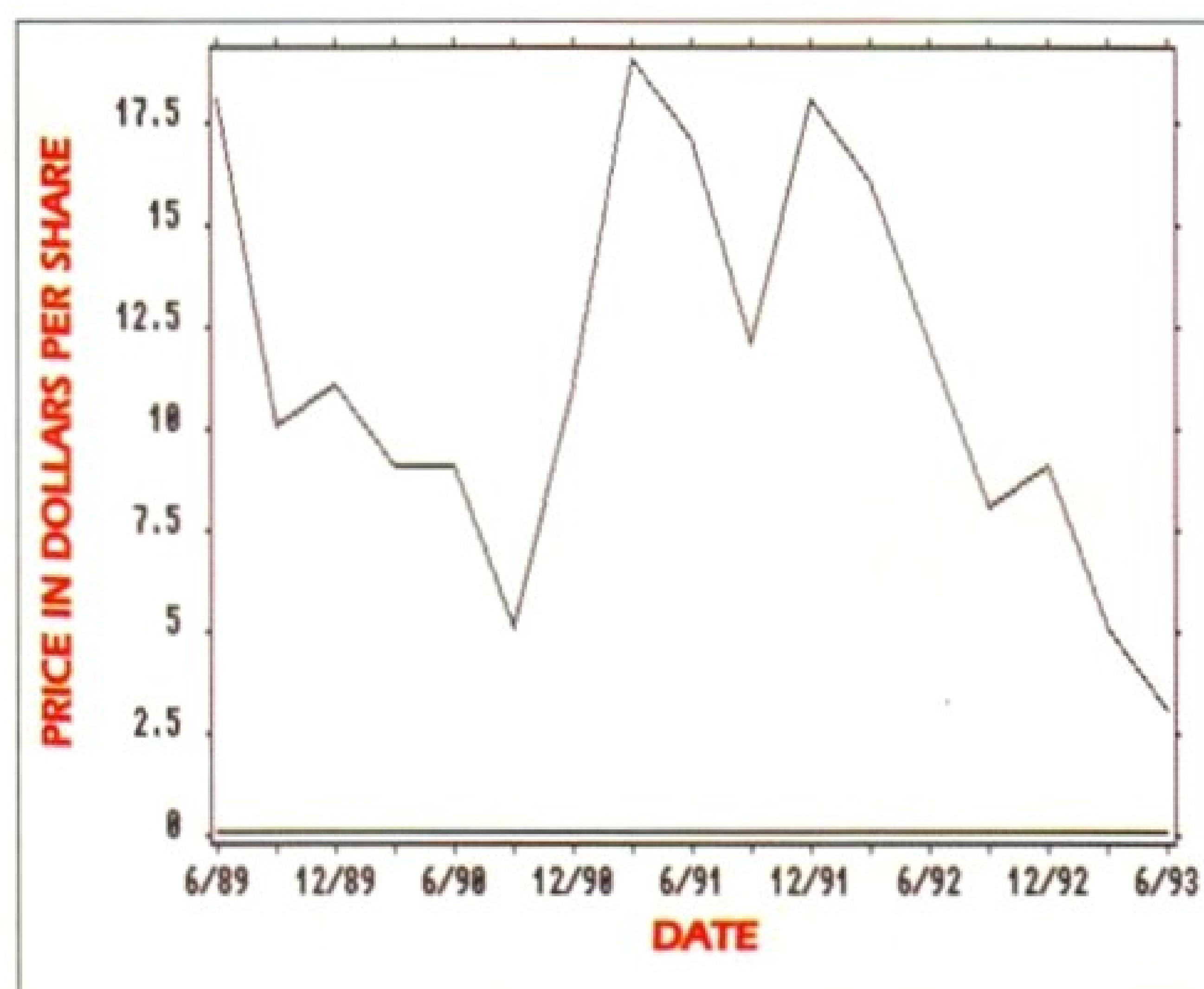
Since the demise of the DMI distribution organisation ASDG and Virtual Reality Labs, products have been taken on by Meridian Software Distribution. ASDG produce *Art Department Pro* and *Morph Plus* and VRL are the authors of *Vista Pro* and *Distant Suns*. All enquiries – phone Rue Luxton on 081-543 3500.

Commodore hit hard times



THE AMIGA'S MANUFACTURER has just announced a global rationalisation program to help them face tough times. Sales of the Amiga have fallen worldwide, with only the UK continuing to offer spiralling success. In Europe Commodore's subsidiary companies in Sweden, Norway, Benelux, Spain and Portugal will be closed. The German office is being scaled down, but the staff there will accept responsibility for some of the countries which are losing dedicated centres of operation.

Although the Amiga has continued to be massively successful in the UK, the strength of the dollar has reduced the value of this market to the America parent company. The rationalisation of operations have helped Commodore avoid 'Chapter 11', the American equivalent of calling in the receivers. Financial backers are now confident that the company is in a position to forge a financially successful future.



The Amiga is very successful in the UK, but the strength of the dollar has reduced the value of this market to Commodore US.

Sony buy Psygnosis



WHILE MANY OF you will be familiar with the act of purchasing computer games, it's unlikely that any of you will have bought an entire software house. But that is exactly what faceless, international mega-corp Sony have just done. And not just any software house either, but our very own Psygnosis, distributor of the holy *Lemmings*.

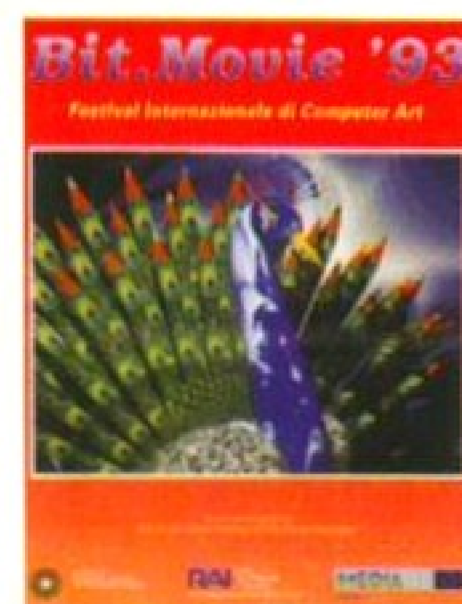
Sony have been active in the acquiring of software creation companies in a number of media. Sony's acquisitiveness may be attributable to the failure of their Betamax and DAT formats, which suffered at the hands of Film and Record companies who failed to offer support to the formats. Sony subsequently bought huge amounts of the world's audio-visual media companies. Their interest in the field of computer leisure software could well presage their diversification into this field. Sony last dabbled with the computer market in the early Eighties with the MSX standard, but the market has raised in profile considerably since then, and many electrical companies are now reappraising it.

Raving w



Max Headroom goes rave on Hex's Amiga generated *Chaos* videos.

See the sights



You've read the report, now see the video.

IF YOU couldn't make it to Bit.Movie this year, you don't have to miss out on the sight (and sounds) of the best in Amiga animation. You can flip to page 26 for a start, but if you prefer your animations to be of the moving variety, you can buy the videos from Bit.Movie. There are two tapes, the real time 2D and 3D anim, and the Video categories tapes. They cost $32 each and are available from Carlo Mainardi, Via Bologna 13, 47036 Riccione, ITALY, or order by Visa/Mastercard on 010 39 541 646635.

GET FREE EDUCATIONAL SOFTWARE

ANYONE WHO ORDERS EDUCATIONAL software from Rickitt Educational Media's extensive catalogue will be given the opportunity to obtain free software for a school of their choice. When you receive your programs, you will also receive back a voucher for 10 per cent of the total value of your software order.

The scheme is intended to be ongoing, with no set period of operation, but if you're gonna use it, you might as well do it straight away.
Call Tsui Miller on 0460 57152.

're raving

The graphical power of the Amiga is being put to full effect these days in a number of music videos. *Dr Devious and the Temple of Chaos* and *Global Chaos* are just two of the recent rave music videos to be issued which feature Amiga graphics.

Neither of them are as good as PD demos like *State of the Art*, or *Jesus on E's*, but they are worth a look. *Global Chaos* is particularly good, and was created by Hex on the Amiga. They used an A2000, a 1500 and an A4000, plus a CDTV. Rather than cold and clinical 3D workstation bank-advert type anims, Hex do garage/punk/mashed-up/dirty graphix, and they're all the better for it.

So if there are no raves near you next Saturday night, get down the video shop and give one of these a go.

Artist's Image



If you reckon you can draw graphics as well, or better, than this, write to Vivid Image at the address below.

VIVID IMAGE, CREATORS of the amazing *First Samurai*, are looking for good graphical artists to join their team. VI's Mev Dinc told us: "We are looking for experienced good-quality artists to complement our top-quality programmers. A good knowledge of games is necessary, and it's important to have a very vivid imagination."

If you're seriously interested write, including examples of your work, to:
Mev Dinc
Vivid Image Design, 60 Lynton Road
Rainers Lane, Harrow, Middlesex HA2 9NN.

OCEAN SEX FIEND
The soundtrack for the next game from Ocean and Digital Image Design, Inferno, will be composed and performed by the 'legendary group' Alien Sex Fiend. The soundtrack will be specifically for the CD version of the game. Ocean will be releasing Open Golf Championship simultaneously for both the A1200 and A500. Expect a full review next month. Ocean are on 061-832 6633.

New Amiga rumours abound

YOU WILL ALL have heard, by now, of the new Amiga CD console. But rumours are now circulating about a new Amiga to be launched before the end of this year. The machine will be, it is said, much closer to the specification many people expected from the A1200.

Commodore have been surprised by the uptake of the A1200, and even more by the number of A1200 owners who go on to accelerate and expand their machines. The new Amiga, thought to be called the A1400 will offer a slightly higher specification than the A1200. The discontinuation of the A600 should see the entire Amiga range being AGA machines, with the A1200 as the base model.

The 1400 is expected to be cased in a very small box and will still be 68020 powered, but will probably offer a higher 25Mhz (or even 28Mhz) clock speed. A high density disk drive and PCMCIA slot will be featured. The case will allow space for 3.5-inch IDE drives to be used, and a 3.5-inch drive bay will allow CD-ROM/SyQuest drives to be fitted. The keyboard will be detachable. Standard configurations are said to be 4Mb RAM/80Mb hard drive. Price? Around £600.

MicroProse in space...



Become Emperor of the Universe in MicroProse's next mega release.

FOLLOWING THE EXCELLENT *Gunship 2000* (see page 90), the next game from MicroProse is a futuristic space adventure in the style of *Elite*.

Starlord follows a science fiction storyline, where you must work your way from a lowly Lord up to Emperor of the Galaxy. Since the Galaxy contains well over over 1,000 stars, MicroProse reckon this is going to be something of a challenge. Not to *Amiga Format* readers, though, we reckon.

Also due from MicroProse is *Dogfight*. Not surprisingly, this is a dogfighting simulation, where you will be able to select from a range of planes: from the Sopwith Camel to the F-16A Falcon. A dogfight between WW2 aircraft and modern day jet fighters is an interesting prospect – but you'll have to wait until later on this year to get your hands on these games. MicroProse 0666 504326.



Don your goggles and flying helmet, and take to the skies with MicroProse's *Dogfight*.

Only Stupid People Don't Subscribe



A quick poll of the *Amiga Format* office staff reveals that if we didn't work on the magazine then we'd all subscribe to *AF*.

That's because from this issue on, subscribers receive an extra disk every month packed with the best utilities, fonts, and all sorts of other stuff. And that's not all (it wouldn't be, would it?), subscribers also get an extra news letter telling them what goes on behind the scenes at *Amiga Format*, and a full set of instructions on how to work the subscribers disk. If you think you're missing out, and unless you subscribe you definitely are, turn now to page 150 and get yourself in on the deal of the century.

Pretty trees and flowers



Pick some of Ark Software's flowers.

ARK SOFTWARE, WHO produce the *Plants for all Seasons* database (*AF*48 – 90 per cent), are to avail their huge library of plant images to the public. The images are derived from original 18-bit scans and are available in various formats (HAM, IFF, JPEG, TIFF, GIF, PCX) on either Amiga or PC format floppies. The list of plants is huge, and they're continually updating it. Images cost between 20p and 60p each, depending on size, plus the cost of disk and postage. Call Richard Howe on 0983 551496.

Haven't heard of Edge? You soon will do

EDGE

FUTURE PUBLISHING, MAKERS of *Amiga Format*, are about to launch *Edge* – a magazine dedicated to the future of videogaming. *Edge* isn't like other games mags; in fact, it's probably the first magazine of its type.

It doesn't do playing tips, it never has any covermounted stickers or disks, and it only reviews the cream of video games. *Edge* will be covering the very best of Amiga, PC, Sega and Nintendo as well as new developments like CD-ROM, 3DO, VR and beyond. For the first issue, *Edge* is looking to hear from the most serious videogamers: if you have anything to say about games, the state of gameplay, the prices of carts and CDs, what you think the future will be, write to *Edge* at: 30 Monmouth Street, Bath, Avon BA1 2BW.

Send your nominations for best/worst Amiga graphics and sound, best/worst Amiga gameplay, most over/underrated Amiga game. And if you think you can play games, let *Edge* know.

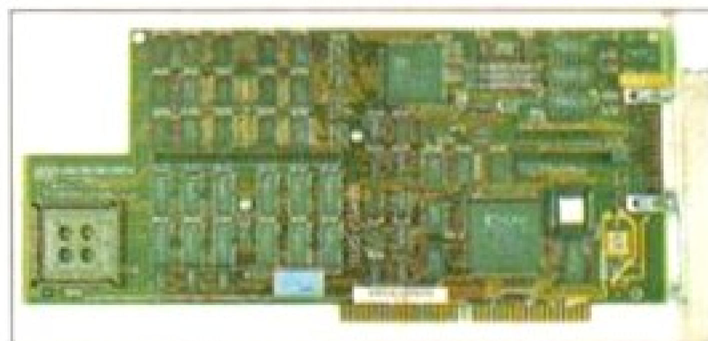
There won't be many magazines about, so make sure you get down to the newsagents on August 19 or you simply won't get a copy. And then you'll be less well informed than anyone who does.

Peripheral price bonanza


There's no better time to get a printer for your Amiga, and this Star 24-pin dot matrix is down in price at the moment.

IT MAY BE the recession, it may be the quiet summer months, but something's in the air, and it's bringing prices down. Star have cut the cost of their two most popular printers. The 9-pin LC 100 Colour is now £199 plus VAT, its bigger brother the LC 24-200 is down to £333 plus VAT. Call Star Micronics on 0491 577057 to find out where to obtain these printers.

The stunningly wonderful 24-bit card OpalVision is down to £549.99 with *OpalPaint II* and manuals, and with *Imagine II* it's a bargain £599.99. If you want more colour in your life call Indi on 0543 418079.


OpalVision is down in price from £599.99 to £549.99. It's a summer bargain.

GVP products are showing price rationalisations across the board, giving users the chance to snap up deals like a 120Mb GVP HD8+ for £399, an 80Mb GVP A530 Turbo for £599 and a G-Lock genlock for just £299. Call Silica on 081-309 1111 for more details.

Virgin gets Acclaim



Streetfighter 2 and *Body Blows*, both were excellent, but can *Mortal Kombat* beat the pants off them? Find out in November.

VIRGIN GAMES HAVE just signed a deal with softies Acclaim, to develop and market Amiga versions of their games. These include *Terminator Coin-op*, *Crash-Test Dummies*, and *Mortal Kombat*, which the console-types are currently calling a *Streetfighter 2*-beater. All three games are pencilled in for release in November. More details as they come in, and it looks likely that *Amiga Format* will be bringing you an exclusive Coverdisk demo of *Mortal Kombat* prior to its release.

While we're on the subject of Acclaim, some of you may be wondering what happened to *Krusty's Super Fun House*, which was reviewed back in *AF*43 (85 per cent), *Alien 3* (*AF*45 – 70 per cent), and *Bart vs the World*, a demo of which appeared on the cover of *AF*43. Well, the answer is they haven't been released yet. Although the games have been complete for months, there have been delays in getting the software on to the streets. The three games will now be released in November through Virgin Games.


It's been in the arcades and on the consoles, now *Terminator Coin-op* is making its way to the Amiga.

The war continues

FAST, THE FEDERATION Against Software Theft, have co-operated with New Scotland Yard's Metropolitan Police Computer Crime Unit on a major bulletin board bust. They state that "A 19-year-old man was arrested in connection with the alleged unauthorised sale of computer software. It is also alleged that the pirated software was of a sort not yet generally released in the UK."

FAST chief executive Bob Hay adds: "Bulletin Boards have been responsible for creating an open forum for computer users to share a wealth of information and ideas. Unfortunately, as with all great ideas, there's always a group of people with a vandal mentality that will look to ruin things."


Andy Braybrook – programmer and bloody nice bloke.

If you're a software pirate you may think you're a new age Robin Hood, and that you are ripping off vast international corporations, but you are not, you are hitting the livelihood of people like Andy Braybrook, Jon Hare, Mev Dinc, Peter Molyneux and Eric Matthews, who are good blokes. And you are spoiling it for us, so stop it!

CURLY RETURNS


The loveable Mr Curly returns in another puzzler. Can it beat Pushover? Wait and see...

ONE STEP BEYOND, the new game starring Quavers dog Colin Curly, is due to hit the Amiga at the end of July. The game is the follow-on from *PushOver* (*AF*38 - 86 per cent), though *One Step Beyond* doesn't contain any dominoes at all. In fact, it's a maze/platform game, with 99 levels, which Ocean promise will the most addictive game of the year. Ocean 061-832 6633.

NEWS brief

LAND OF THE RISING AMIGA

If you want to contact Japanese Amiga owners, or share your PD demos with users in the land of the rising sun, you should get in touch with...
Rick Gardaya
PSC 78 Box 3876
APO AP 96326 USA.
Rick has just started an organisation in Japan who aim to publish a magazine called *Amiga Rising*, aimed primarily at American forces personnel who are stationed overseas. We say 'a big hello' to all such people.

Amiga Rising are looking to have a regular PD/Shareware column, and will review demos and utilities much like we do here in *AF*. They are especially interested in European demos and music modules, because as you know, we make the best. If you have anything to submit, send it to...
Steve Vanderhoef
PSC 78 Box 2999
APO AP 96326 USA.

WANT A BIG RAM?

Golden image have seen what all the other companies have done in the way of A1200 RAM expansion, and then gone one better. They have just launched a 9Mb card. Prices start at £115 for the basic 1Mb unit and extend to £439 for a 9Mb with a clock and 33Mhz 68882 co-processor. Call 081-365 1102 for more details.

REPRESENT YOUR COUNTRY

If you've read the piece on Bit.Movie and think you can do better, why not prove it. Another Italian computer art organisation, Tecnopolis, is looking for entrants to their Pixel Art Expo Roma 93. The finals are in Rome in December, and unlike Bit.Movie, there are categories for computer music too. All entries must be real time, not recorded on audio or video tape, and must be submitted on disk. The prizes will be awarded for innovative solutions, technical and artistic accomplishment.

If you fancy your chances write to Associazone Culturale Tecnopolis, Viale Gorizia n. 20, 00198 Roma, Italy for a full set of instructions.

ABANDON FORT

Clive Fort, ex-technical support manager of Commodore, has just been appointed senior producer at software house Mindscape. *Amiga Format* wish him good luck in his new venture.

This Ain't No Game



BOB HOSKINS JOHN LEGUIZAMO DENNIS HOPPER

SUPER

MARIO BROS.

PG

A LIGHTMOTIVE/ALLIED FILMMAKERS PRESENTATION IN ASSOCIATION WITH CINERGI PRODUCTIONS
BOB HOSKINS JOHN LEGUIZAMO DENNIS HOPPER "SUPER MARIO BROS." SAMANTHA MATHIS FISHER STEVENS FIONA SHAW RICHARD EDSON
MUSIC BY ALAN SILVESTRI COSTUME DESIGNER JOSEPH PORRO VISUAL EFFECTS DESIGNED BY CHRISTOPHER WOODS EDITED BY MARK GOLDBLATT, A.C.E. PRODUCTION DESIGNED BY DAVID L. SNYDER
DIRECTOR OF PHOTOGRAPHY DEAN SEMLER, A.C.S. CO-PRODUCER FRED CARUSO WRITTEN BY PARKER BENNETT & TERRY RUNTE AND ED SOLOMON
PRODUCED BY JAKE EBERTS AND ROLAND JOFFÉ DIRECTED BY ROCKY MORTON AND ANNABEL JANKEL

© ALLIED FILMMAKERS N.V. ALL RIGHTS RESERVED. © NINTENDO ALL RIGHTS RESERVED.

AN ENTERTAINMENT RELEASE

★ ★ AT CINEMAS NATIONWIDE FROM JULY 9 ★ ★

PLAY "THE GREATEST GAME IN THE WORLD"



A GOLF SIMULATION THAT WILL WEDGE YOU INTO YOUR SEAT FOR HOUR AFTER HOUR AS YOU ENJOY THE FINESSE OF THE GAMEPLAY, THE BREATHTAKING GRAPHICS AND AN EXHILARATING ROUND OF GOLF.



INTERNATIONAL OPEN GOLF CHAMPIONSHIP EMPLOYS FEATURES THAT ENHANCE THE GAMEPLAY LIKE NO OTHER GOLF SIMULATION. THE ONLY THING BETWEEN A BOGIE AND A BIRDIE IS YOUR ABILITY. REPLAY YOUR SHOTS FROM VARIOUS ANGLES TO CHECK YOUR TECHNIQUE. SELECT TO PLAY SOLO, OR WITH FRIENDS, FROM SEVERAL TYPES OF





COMPETITION INCLUDING **SKINS** WHERE YOU CAN PLAY FOR A SUM OF MONEY FOR EACH HOLE. SELECT YOUR CLUB, ADDRESS THE TEE AND STRIKE OFF DOWN THE FAIRWAY FOR A ROUND LIKE YOU'VE NEVER PLAYED BEFORE.

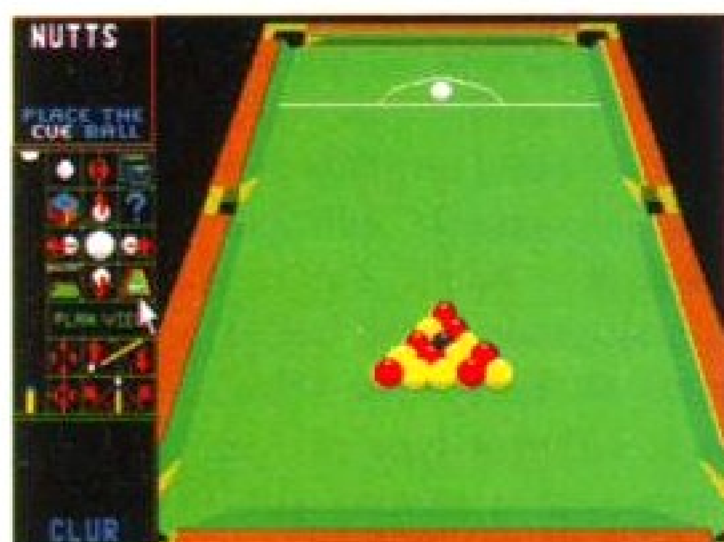
AVAILABLE FOR
CBM AMIGA
IBM PC



IN ASSOCIATION WITH
Pringle
OF SCOTLAND

OCEAN SOFTWARE LIMITED · 2 CASTLE STREET · CASTLEFIELD · MANCHESTER · M3 4LZ · TEL: 061 832 6633 · FAX: 061 834 0650

A1200? Balls!

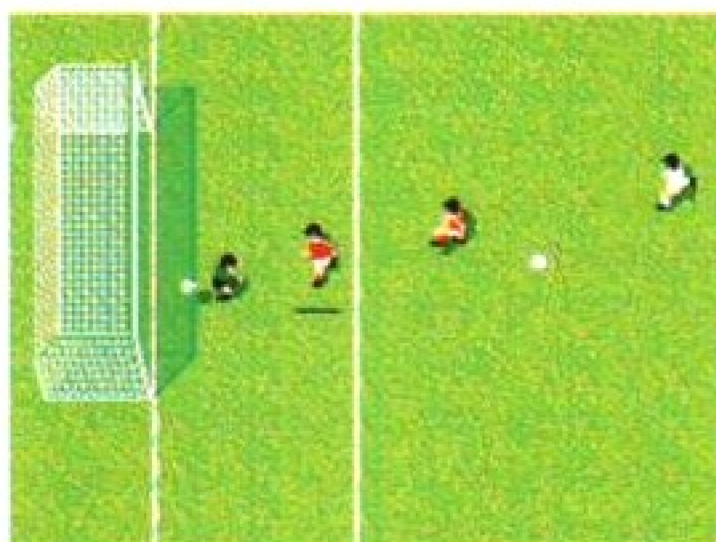


Archer's come up with the goods for A1200 owners. Now you can play pool and snooker on your super-Amiga!

ALL YOU A1200 owners who have *Jimmy White's Snooker* or *Archer MacLean's Pool* can now rest easy. Archer's been busy tweaking these games and has come up with versions of which work quite happily on the new machine.

"The older versions of the game ran in 25Hz mode for most of the time," Archer told us, "except when there were loads of balls on the screen. The A1200 versions run in 25Hz mode all the time, so they look a lot smoother." Expect the games to hit the shops in early July. Contact Virgin on 081-960 2255 for details of a possible upgrade service if you already have an original game.

GOAL!



Read our *Goal!* review on page 66, then nip into Game Ltd and have a play.

FANCY YOUR CHANCES at *Goal!*? Then go into one of the 14 Game Ltd stores around the country between July 22 and August 21, and you will get the chance to enter a competition sponsored by Virgin Games (081-960 2255).

The overall winner will receive an all-expenses paid trip for two to next year's FA Cup and Coca-Cola Cup finals. Also included is a trip to see England play Poland in September this year, although at the time of writing England are so abysmal this doesn't offer much of an incentive.

Also on offer are loads of Adidas goodies, so everyone stands a chance of winning something (apart from England, that is). Virgin say there's no obligation to buy *Goal!* at the stores, but if you do you'll receive a free joystick.

THEY LIVE



Woody's been turfed out of DMI, but Kompart kindly offered him a home.

DMI ARE NO more, but their forthcoming games *Woody's World*, *Nippon Safes Inc.* and *Donk!* will still live on. They will now be released through Kompart UK, who act as a distributor for quality German software house Blue Byte. Contact Kompart on 0727 868 005 for further details.

AKIRA GAME IMMINENT



Akira & co coming to an Amiga near you.

ICE, makers of *Abandoned Places 2* (see Gamebusters) and *Fire Force*, have the world-wide licence for the Japanese cult film *Akira*. Full details next month. ICE 0453 756 993.

Darling bugs



The Bug: beloved joystick of the *Amiga Format* offices is to be given the face-lift it deserves. The only decent summer bug to have.

THE CHEETAH BUG (£14.99) is reborn! Cheetah, the recently relocated joystick makers, told *AF* this month that they are planning to relaunch the Amiga gamer's best-friend, in some wacky new forms for the summer.

New MD Jay Protheroe told us: "We're going to give the bug chrome eyes and a choice of four different sticks" There will also be a solid plastic base and some new colours for the Bug - we've already seen the green 'n' red version. Other good news from Manchester-based Cheetah (061-7077080) is that the universally disregarded Charakteristicks are to be dropped in favour of some playable sticks. For more joystick info turn to our essential joystick round-up starting on page 60.

This month's top 30



Pos		Title	Publisher	Rating
1(-)	New	Desert Strike	Electronic Arts	87%
2(1)	▼	Body Blows	Team 17	87%
3(2)	▼	The Chaos Engine	Renegade/Mindscape	FG90%
4(4)	■	Premier Manager	Gremlin Graphics	87%
5(-)	New	Reach For The Skies	Virgin	FG90%
6(5)	▼	Sensible Soccer 92/93	Renegade/Mindscape	80%
7(6)	▼	B-17 Flying Fortress	MicroProse	FG91%
8(3)	▼	Lemmings 2	Psygnosis	FG94%
9(7)	▼	Superfrog	Team 17	85%
10(9)	▼	Streetfighter 2	US Gold	87%
11(-)	New	Championship Manager 93	Domark	82%
12(14)	▲	Wing Commander	Origin/Mindscape	83%
13(10)	▼	Sleepwalker	Ocean	FG91%
14(11)	▼	Formula One Grand Prix	MicroProse	FG92%
15(17)	▲	Nick Faldo's Golf	Grandslam	FG90%
16(-)	New	Graham Gooch Cricket	Audiogenic	78%
17(16)	▼	Graham Taylor Soccer Challenge	Krisalis	82%
18(15)	▼	Monkey Island 2	US Gold	FG95%
19(12)	▼	History Line 1914-1918	Blue Byte	FG94%
20(26)	▲	PGA Tour +	Electronic Arts	Comp
21(22)	▲	Indiana Jones - Fate of Atlantis	US Gold	FG92%
22(21)	▼	Civilization	MicroProse	FG94%
23(-)	Re	Rome AD92	Millennium	77%
24(28)	▲	KGB	Virgin	FG91%
25(18)	▼	Abandoned Places 2	ICE	87%
26(29)	▲	Legends of Valour	US Gold	FG91%
27(27)	■	International Rugby Challenge	Domark	16%
28(25)	▼	Zool	Gremlin Graphics	FG95%
29(20)	▼	John Madden American Football	Electronic Arts	FG94%
30(-)	Re	Archer MacLean's Pool	Virgin	89%

Following a storming success with Sensible Soccer, those Sensible boys are at it again, adding the finishing touches to their latest game. **Andy Nuttall** pays them a visit, and, quite literally, gets blown away...

Fodder for thought...





The crack Eagle pairing take out the Hun, while Pete and Tiger rush to back them up. But where are the Panther boys? Off having a fag, no doubt...



Snake are obviously the hip and trendy group to be in. Stoo seems to be on his own in Eagle, but then he's got three stripes so he should handle it.

"THERE'S NO BLOOD, no death. It's all about Curly Wurlys and oranges," Jools, one of Sensible's programmers, tells me about their new creation, *Cannon Fodder*. With tongue heavily in cheek, he goes on to describe further how this new game contains no violence, absolutely no gore, and how it is packed to the gills with nice things like chocolate bars and fruit.

Ever get the feeling you're being stitched up? The name *Cannon Fodder* suggests elements of war and strategy, and since Sensible Software are trying to build on the success of their previous game, *Sensible Soccer*, a game about food may not be their best step.



In reality, there isn't a sniff of Curly Wurlys or oranges, and more than a hint of blood and death. *Cannon Fodder* is an arcade game, yes, but one which involves you taking a troop of five soldiers through 72 war-style missions.

You take control of the men using your mouse, and the screen follows you around the terrain. The highest ranking soldier leads the pack, or you can split the team into several sub-groups and control each one separately. The other groups don't move, but they do automatically defend themselves when attacked.

Alongside the enemies, lying in wait for your soldiers are a plethora of obstacles, including snares, traps, mines and holes in bridges (which caused much hilarity in the Sensible office as I innocently led my five-man team to an untimely end via a hole in a rope bridge).

Fortunately you can always find something to help you, whether it be crates of grenades or rockets, or vehicles such as a jeep, tank, skibob, snow tank, or a helicopter – simply hijack them and use them. Some missions also require you to locate civilians and rescue them, and to make sure they don't get hurt.

The missions are split into five different terrain styles – Jungle, Desert, Arctic, Enemy Base (underground), and what Stoo, the artist, describes as 'Emmerdale Farm'. Each terrain brings a different type of enemy, including cannibals with a cooking pot, Eskimos who make holes in the ice for fishing, gunslingers who can turn on you at the drop of a hat, a meths addict, rats, exploding sheep and booby-trapped seals.

According to Jools, the latter two enemies work in a similar way: "You will see lots of seals lying on an ice floe. If you walk up to them, they will all jump into the water apart from one, which explodes on closer inspection." Er, yes.

The sound effects suit each terrain style, and are amazingly lifelike and clear – especially the jungle sounds, with parrots and crickets creating a really eerie atmosphere. As you move nearer the source of the sound, the effects get louder, which is a neat touch. The sampled effects for the weapons and soldiers also add a lot to the atmosphere – these are some of the best sound effects I've heard from a computer game.

On a more serious note I asked Jon Hare, Sensible Software's top man, what, if anything, *Cannon Fodder* is based on: "It's based on all wars ever," he says. "We're not concentrating on a particular war because it's meant to be an anti-war thing."

This is echoed by Stoo who says: "There's a danger if people buy it as a wargame, because the arcade elements come first." It's not all trivial, though, because at the end of every mission you get a roll of honour for those soldiers who survived, and a memorial list of those who died, naming each one in turn. This actually makes you feel guilty, and the onus is on you to make the others survive the next mission.

To find out what *Cannon Fodder* is like for yourself you'll have to wait until September, when it will be released through Virgin Games. I can't wait.

Sense and sensibility



If you look closely, you might just be able to make out the Sensible boys above. Camouflage, you see. Cunning.

Although Sensible Software's first game was officially *Parallax* for the Commodore 64, Jon Hare had previously worked on several games for the Spectrum including *Skyfox* and *Flyer Fox* for EA. After scoring a hit with the brilliant *Wizball*, the team turned their hands to other projects including the god-game *Mega-Lo-Mania* (*AF*26 – 91 per cent), and the completely loopy sequel to *Wizball* called *Wizkid* (*AF*37 – 93 per cent). Although *Wizkid* was raved over by the computer press, the game didn't sell very well at all – a mystery for such a great game.

Sensible's biggest success story to date, however, is *Sensible Soccer* (*AF*36 – 91 per cent) – to date it has sold over 120,000 copies on Amiga alone. Now developing *Soccer* for other platforms, Sensible Software look set to go from strength to strength.



Our men go for an all out desert strike – the guy in the helicopter has different ideas, however.

SIM LIFE™

THE GENETIC PLAYGROUND

THERE ARE TWO VERSIONS AVAILABLE: STANDARD - FOR ALL AMIGAS. ENHANCED - FOR A1200/A4000 ONLY

As you take the SimLife disks out of their pack you hear strange celestial music. Load them up and a deep rumbling sound is heard in the distance; the cosmos twitches. You are about to become a major player in the game of life.

Until now you thought gene splicing involved ripped trousers... a balanced ecosystem was a new washing powder - and that genomes lived at the bottom of the garden? Now you'll find out different.

In SimLife, take the challenge of our inbuilt scenarios or create your own unique world where your imagination can run riot. Design plants and animals, then decide how they act, how (even who) they eat - even how they reproduce!

Now watch this world evolve in front of your very eyes, as a completely new environment takes shape under your command. Will you be responsible for producing a tropical paradise, an arctic wasteland - or a planet inhabited by even stranger creatures than in this one?

More than a game. It's evolutionary.

"Superbly designed, flawlessly executed..."
93% CU Amiga





"It is an entertaining piece of software and has years of enjoyment..."
85% MacFormat

"Intriguing, very deep and absorbing, easy to use, great fun..."
85% PC Home

PUBLISHED BY



Distributed by



Mindscape International,
Priority House, Charles Avenue,
Maltings Park, Burgess Hill,
West Sussex RH15 9PQ
Tel: 0444 246333
Fax: 0444 248996

CUT OUT THIS COUPON AND POST IT IN AN ENVELOPE TO: FREEPOST, 'SIMLIFE', MINDSCAPE INTERNATIONAL LTD, PRIORITY HOUSE, CHARLES AVENUE, BURGESS HILL, WEST SUSSEX

YES, TELL ME MORE ABOUT 'SIMLIFE'.

NAME
ADDRESS
POSTCODE
TEL

3D modelling is one of the most exciting areas of computer graphics. From enthusiast to professional, hobby to industry, the Amiga has the subject sewn up. Find out how it's done in our 10 page guide…

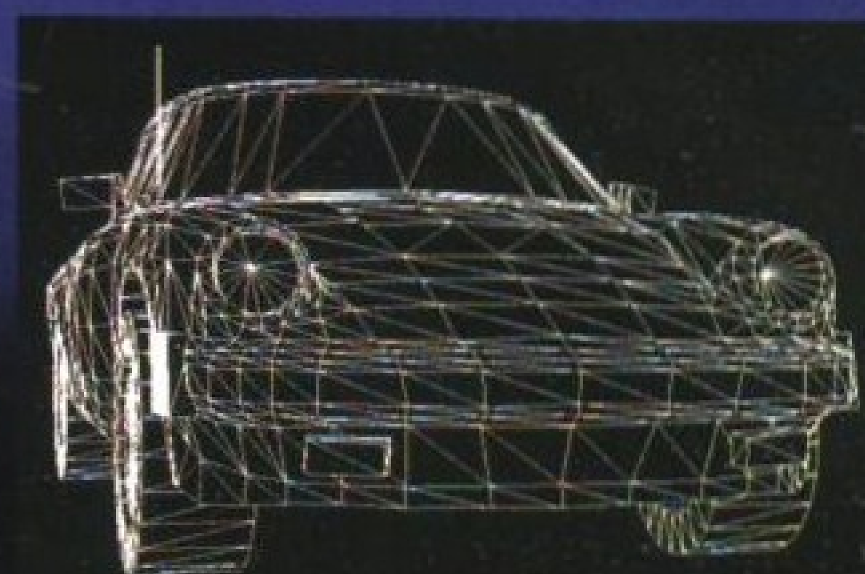
Create new worlds

FIRST PRINCIPLES

Get this straight – current screen displays cannot show you a real 3D picture. The closest you can get at present is the W Industries Virtuality system, which sends a slightly different picture to each eye. Instead, computers like the Amiga display a two dimensional image of three dimensional models. Think of it as taking a photograph – photos are 2D, but they show images of the real world.

Two dimensions are built up on an XY grid, but inside the computer, three dimensions (X, Y and Z – depth) are used for frames of reference. Computer models usually start off as a solid block, which is gradually refined to a complex, finished shape. Obviously, it takes time to get the models as detailed as possible.

The quality of models is mostly in the hands of the modeller – but some programs have better tools than others for shaving a simple brick with six corner points into something like this car with hundreds of thousands of individual points. Also, a model's complexity depends on how much computer memory is available to store the points. Another common name for model is object.



First create your 3D 'object'. This is designed as a series of points which make a wireframe.

This model of a Dodge Viper was created by the guys at Foundation Imaging in Valencia, California. If you missed our feature on them and their work on Babylon 5 in last months issue, get hold of it now.

STAGING

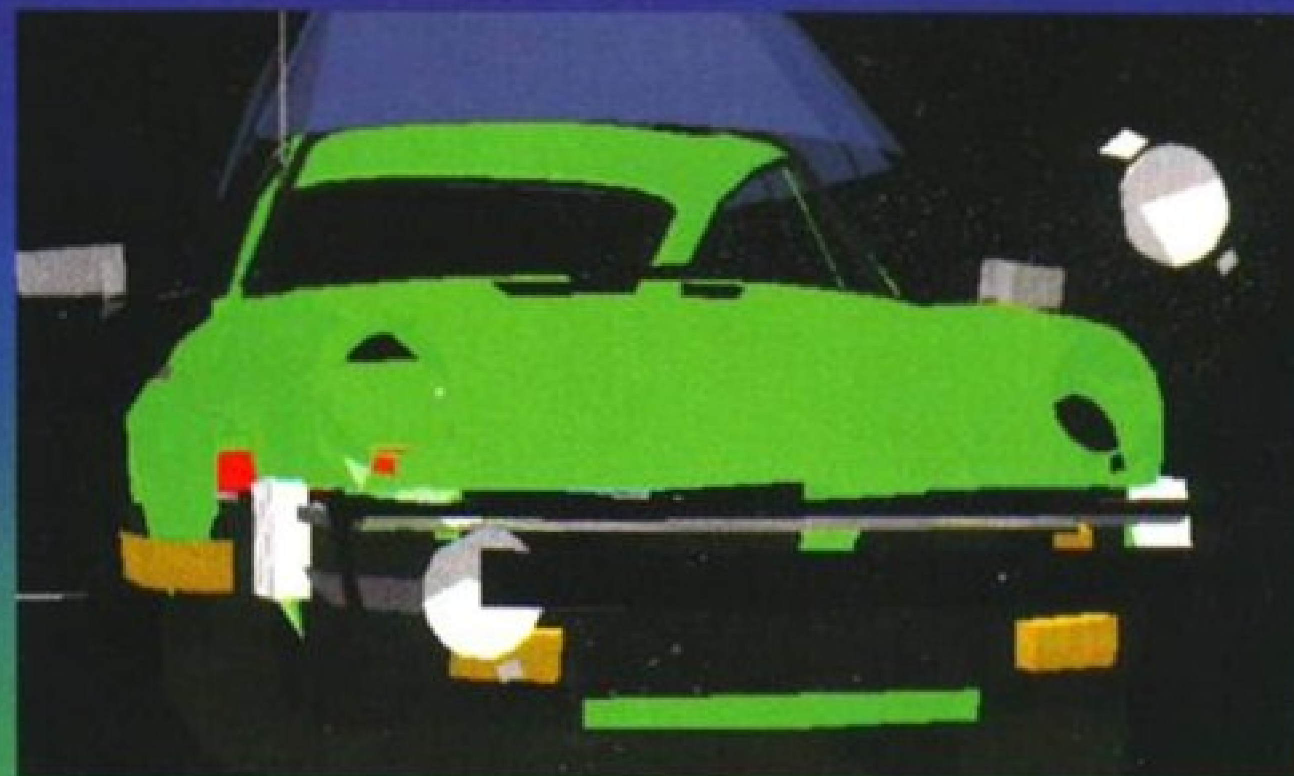
Right, got some 3D models – you now need to position them relative to each other in 3D space. This may seem a daunting task, (imagine placing all the tower blocks in New York precisely) but most people find it easier than the actual model creation.

The reason for this is that most real world man-made objects have a lot of common components – think of all the nuts and bolts in a car, or all the windows on a house. All 3D modelling programs have facilities to replicate models spaced evenly along a line.

Here's an example – Stonehenge. You wouldn't need to create every single individual stone and lintel to make a 3D model of it. Instead, you would do one stone and one lintel. By repeating all the stones around a circle, and then laying a circle of lintels on top, a computer could produce a stage of the whole stone circle quite quickly. Of course, for that modern look, you would want to misplace a few toppled stones.

One subject we haven't made clear yet is scale. When you create your models, usually they are done on their own true to life scales. When you start creating a scene, however, you can scale models up or down. So you can have giant sized matchsticks or miniature spaceships.

The computer really doesn't mind – size is, after all, relative. However, be aware that the larger an object it is and the closer the viewpoint is to it, the more detail it needs in order to look realistic.



Complex models can be comprised of many individual elements.

SURFACE PROPERTIES

The colour of the light rays bouncing around a scene depend on what they hit. Of course, what they hit is just as important to the final picture. Most 3D programs allow you to alter the look of the objects. The simplest way to do this is to wrap an IFF picture file around the object.

For instance, for a wooden object, you would obtain a woody, grained IFF, and then wrap it around an object. If you wanted lots of individual wooden objects, you would need quite a few different IFF wood pictures to wrap around them.



In order to render your object you must give its surfaces qualities like colour and texture.

Man-made objects usually look all the same, but if you want a natural, unique looking object, you have to have a unique texture for it.

Some software lets you change the texture of an object; rough or smooth, plastic or metal. Confusingly, the IFF pictures are also referred to as textures, and the fact remains that with just the right picture to wrap around an object, almost any surface is possible.

One final subject about surfaces is mathematical shading techniques. Phong shading is a maths equation that is used to give a curved, smoothed surface to part of a model that isn't really rounded or regular at all. Different shading techniques save a lot of work when designing models.

SOLID VS SURFACE

There are two broad groups of 3D modelling software. Solid modellers deal with whole objects. When building a model, you take a block of material, and cut, drill and chop it to the right size, using a set of software tools. Solid modellers are usually very good at producing curved edges, but as a result they are usually a bit slow.

Surface modellers only deal with the skin of an object. They prefer dealing with straight lines, edges and polygons. One by-product of this is that they are usually faster than solid modellers at creating models, but suffer quite a lot when trying to produce curves. With shading techniques like Phong, these problems can be worked around – but solid modellers still have the upper hand in producing acceptable, natural looking objects.

With sophisticated, very up-to-date programs like *Real 3D 2* or *Imagine 2*, you would be hard pressed to tell which program produced which image. However, when you are actually creating 3D pictures and animations, you have to be aware of the advantages and limitations of the two different types of software.

LIGHTING



Correct positioning of the light sources is vital to a good looking picture.

Lighting is just as important for computer 3D as for photography. Once you have your models placed in 3D space, you usually have to position a number of lights around the scene. That's the easy bit, the difficult bit is getting the colour and intensity of the light correct.

This is only necessary for the ultimate in computer 3D – ray tracing. Once you have set the viewing position, the computer then traces each ray of light from the light sources on to the view display. When it changes direction (gets reflected off of a surface) or changes form (diffracts through water or glass), the computer has to update the ray. One light ray can bounce around a scene thousands of times before it hits the viewing screen.

This is very, very time consuming for computers – literally millions upon millions of calculations are needed. A quick way to render is just to colour in the surfaces of all the objects. However, the results are very poor compared to true ray tracing.

MOVING 3D

Create a scene, move an object slightly, render it again, move, render – this sort of technique is time consuming although quite easy. Just flying 3D objects around a landscape is quite trivial compared to creating realistically changing objects.

Just try lifting your arm out straight. When you move your upper arm, your elbow, lower arm and hand all change position as well. The art of 3D animation is not about zipping objects around, but about carefully calculating all the positions of the components of each object. By the way, don't try this example at home – people (especially faces) are the hardest things to model on a computer.

An easier project would be a set of headlights flipping up from the bonnet of a sports car. The lights are fixed to the car, but can spin around an axis. You just render a frame, rotate the headlights a bit, render, rotate a bit more, and so on. If you wanted a dramatic night time shot, then putting light sources inside the headlamps would create it – although it usually takes trial and error to get it right.

Moving 3D is the probably hardest, slowest, most time consuming thing you can do on an Amiga. It takes days or weeks to create even a few seconds of animation. But the results are used by TV and film companies all over the world. If you're tired of cartoon *Deluxe Paint* animations and want to try something more complex, get stuck into 3D.

Every year the town of Riccione in northern Italy hosts one of the world's most prestigious computer art festivals. Take a trip with us and see how well the Amiga fared at...

Bit.Movie '93



Nippon Riory Ten came top in the 3D static image category. It was created by Saponi Allessandro. The panel of judges particularly liked the contrast between elements of fiction and reality, and the mixture of items from both the future and the past. We like it because it is superbly modelled and superbly rendered.

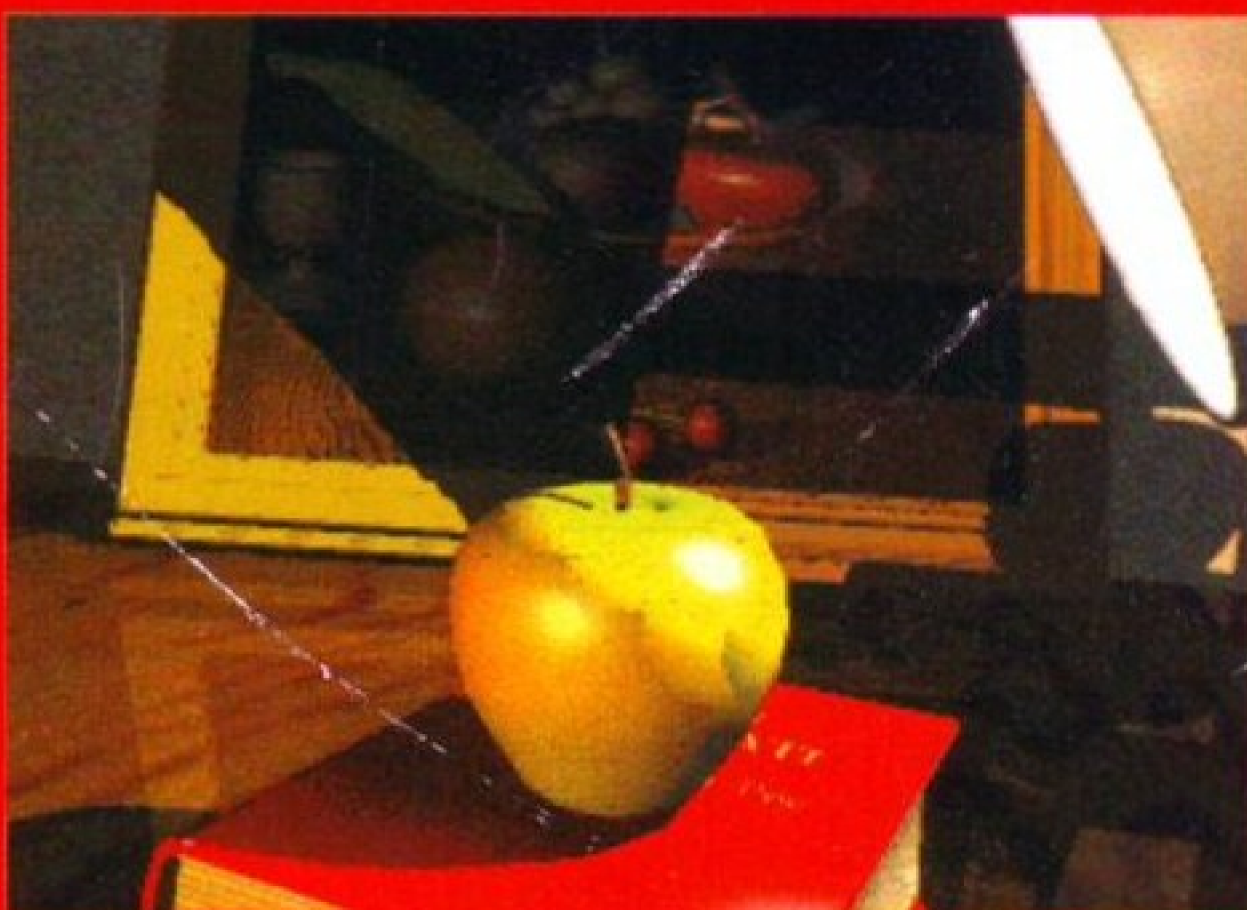
IT'S NOT SURPRISING, given the Amiga's reputation as *the* graphics and video computer, that most of the winners at Bit.Movie have been created on the Amiga. It's even less surprising when you take a look at the list of entries. More than 400 works of computer art were submitted for evaluation this year, and of those over 300 were Amiga works. You and I know how great the Amiga is for painting, for ray-tracing and for animation in both 2 and 3D. But the Bit.Movie festival gives the rest of the world a chance to marvel at the wonders the Amiga is capable of.

And wondrous is the only way to describe these works. To win a prize at Bit.Movie a work must not be merely excellent, it must have that added extra ingredient that distinguishes great art from visual drivel. And, perhaps the most difficult test of all, it must appeal to the public too.

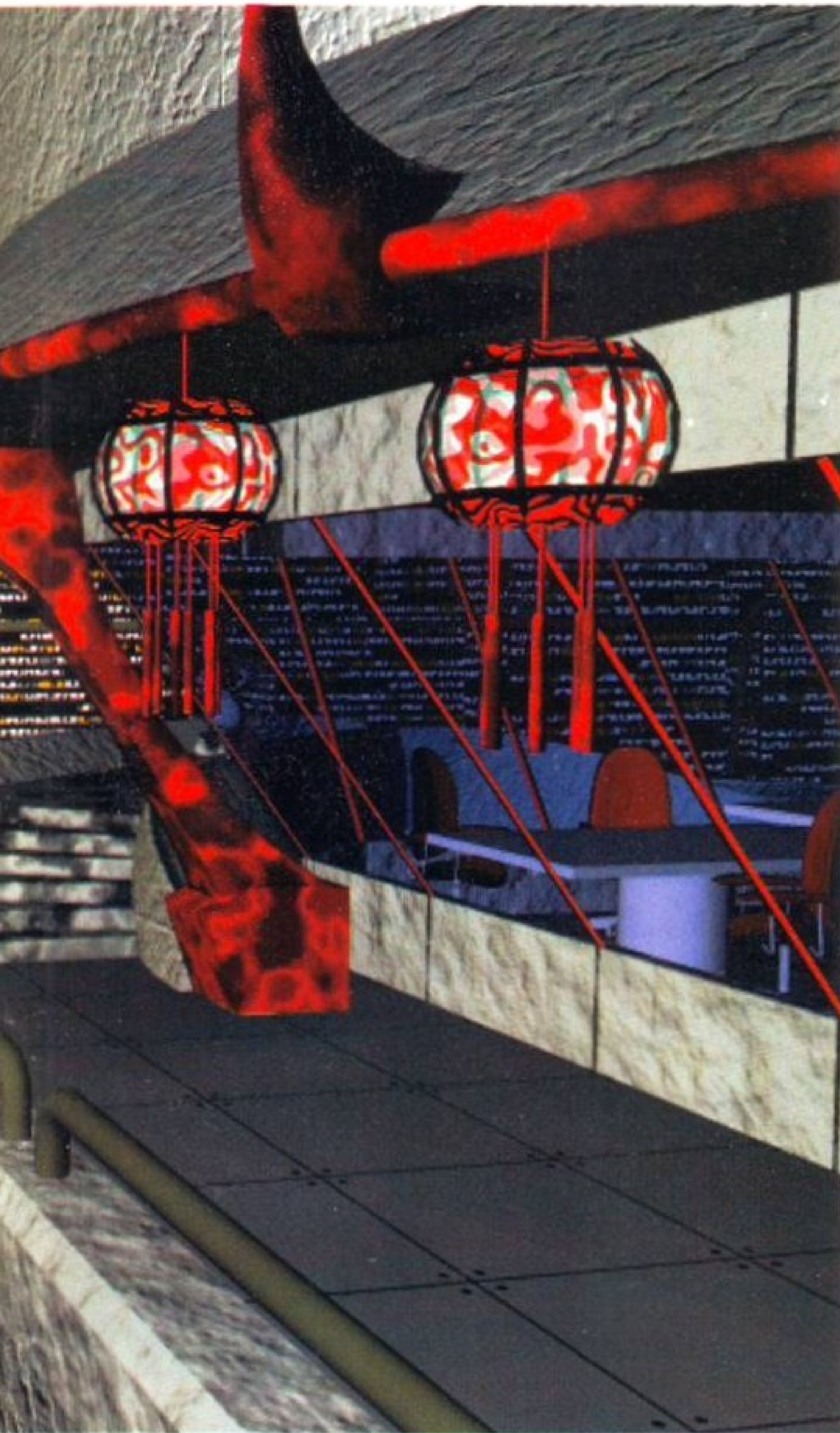
Bit.Movie is held annually in the Italian town of Riccione. This year's festival, the sixth, was held over the Easter holidays in April. During the five-day period of the exhibition over 6,000 fans of computer art attended the show. Three thousand of them filled out ballot forms, and it is from these that the winners have been chosen.

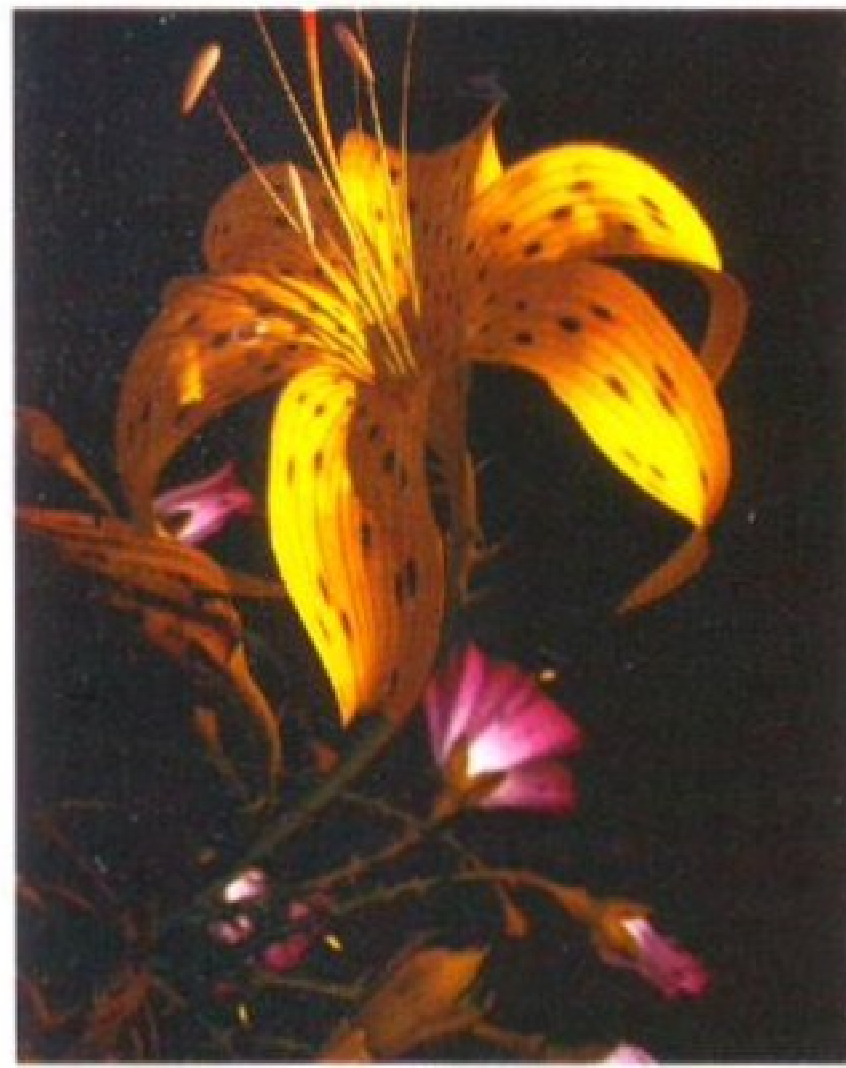
The Awards are split into six categories: 2D images, 2D animations, 3D images, 3D animations, videos created on a personal computer and videos created on a graphics workstation. The Amiga has shown strongly in all of the five categories it is eligible for. But as part of this ray-tracing special feature we are interested mainly in the 3D categories. The Amiga's domination in these groups is as strong as in the other. Most of the entries have been rendered using *Imagine 2*, with *Real 3D* making the occasional appearance too.

The winner in the 3D still category is Nippon Riory Ten, pictured above. The image was rendered on an Amiga 3000 using *Imagine 2* The render took four hours, which is amazing when you look at the detail the picture contains. Especially when you consider that it was rendered to a resolution of 2,048 x 1,366 pixels. The resulting bitmap was retouched using *ADPro* and even the humble *Deluxe Paint*.

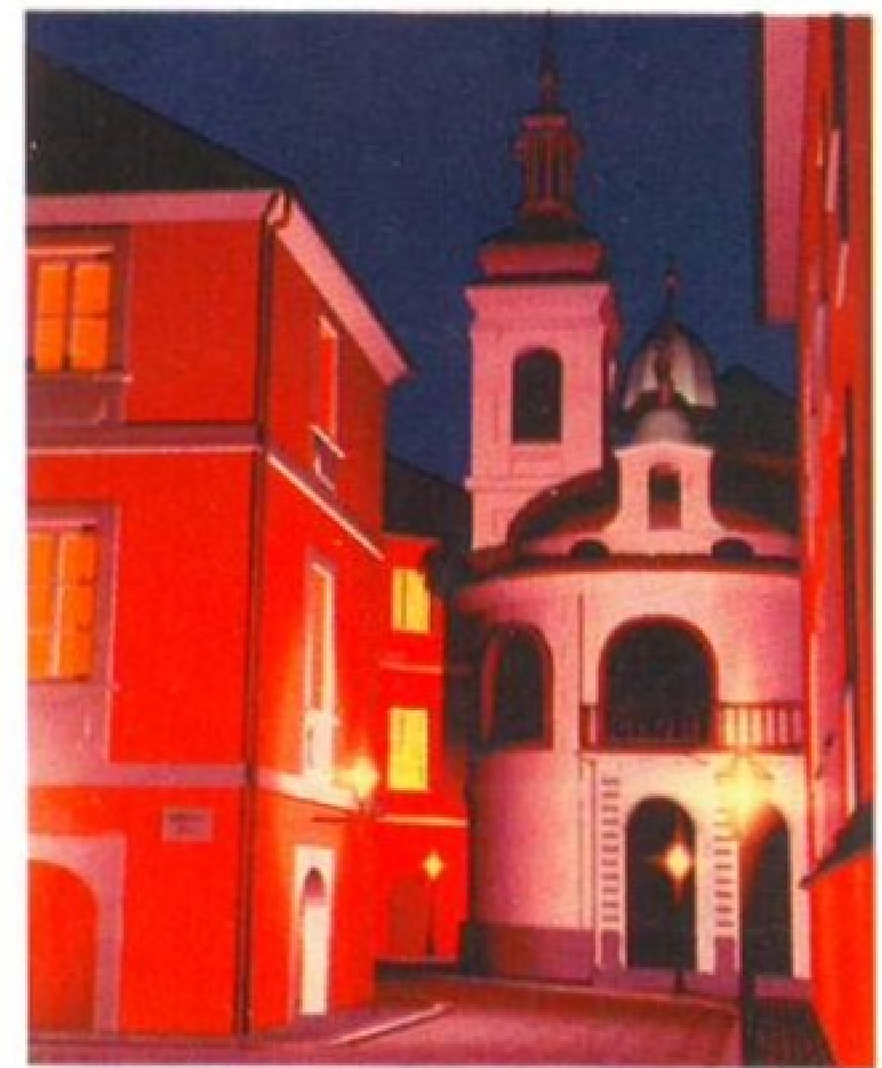




The winning entry in the 3D real-time animation category is called *Till Life...* by Bennati Pier Tomaso. This animation consists of over 1,000 frames and was created this year, not surprisingly,

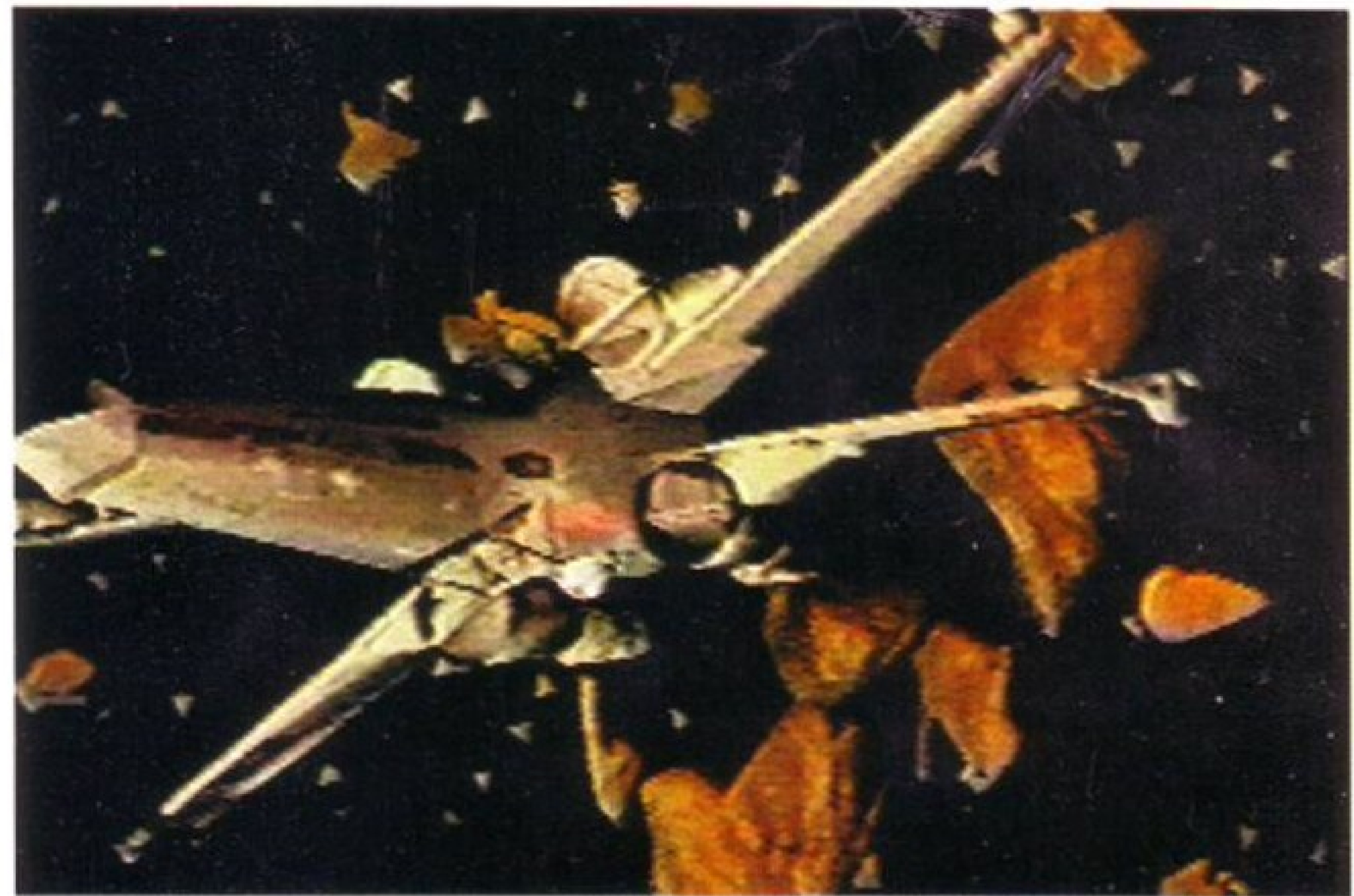




Achieving organic forms like this with 3D modelling is the most difficult. This image, entitled *Brightside* by Stephen Menzies, took second place in the 3D still category.



This image, by Paolo Boschetti, is called *Praga*. Although it didn't come at the top of its category, it achieved some acclaim, and was created an on Amiga 500. It took 23 hours to render though!



Encounter by John Rowe walked away with the honours in the 'Video Created on a Personal Computer' category, with a narrow margin over the second placed Le Miroir Vituel by Jean Luc Faubert.

Bit.Movie is an excellent opportunity for the Amiga to do what it does best – graphics – and do it in public. If the Amiga is to continue being taken seriously, events like this are to be encouraged and supported. If you're a graphics wiz, start getting your entries ready for next year's competition. Here at *Amiga Format* we'll be keeping an eye on developments in the run up to Bit.Movie '94.



in *Imagine 2*. (Check out the 3D software round-up starting on Page 29.)

Do your bit for Bit.Movie '94

The images on these pages are the finest, the ones that a panel of expert critics and an interested public chose from the hundreds of entries. If you can do this well, or better, why not enter Bit.Movie 1994?

In this 10-page 3D graphics special feature we show you what 3D ray-tracing is all about, and last month we demonstrated how to do animation. In fact Roddy McMillan, author of last month's animation tutorial, picked up fifth prize at this year's Bit.Movie, so you have had lessons from one of the best. Put it all into practice, and get drawing and rendering. Next year, let's give 'em something to look at in Riccione.

At the '93 festival there have been 111 entries from Italy, 18 from America, 11 from Germany, but only 7 from Great Britain. Let's not get a reputation as people who draw as badly as we play sport.

If you have what it takes, Bit.Movie '94 offers you two opportunities to gain fame. The first is to enter the competition for the 'Placard Image' for next year's festival. This image, which will be used in advertising for the event, must be 1,024 by 1,024 pixels in size, and be a computer created graphic in some way related to the event. It shouldn't contain the words Bit.Movie, nor should it contain the signature of the artist These will be added by the festival's designer. Send your images to the address below by 31 October 1993.

The other way to make your impression at Bit.Movie '94 is to enter the event itself. If you are interested you can get a set of rules, by writing to:

BIT.MOVIE '94
c/o Carlo Mainardi
Via Bologna 13
47036 RICCIONE, ITALY

The closing date for entries is 31 January 1994 and the festival itself is going to be held from 31 March until 4 April 1994.

We'll be bringing more news of the event in the coming months, and we'll be reporting on next year's festival from Riccione itself!

PREMIER MANAGER - THERE IS NO SUBSTITUTE!

NOW AVAILABLE ON PC £29.99 ALSO AMIGA/ST £25.99

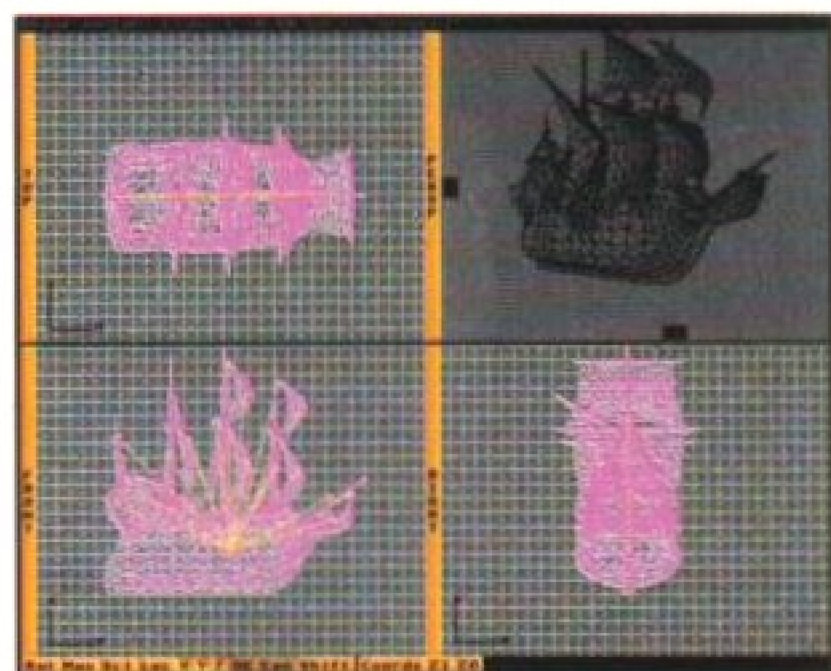


Gremlin Graphics Software Ltd., Carver House, 2-4 Carver Street, Sheffield, S1 4FS. Telephone: 0742 753423 ©1993 Gremlin Graphics Software Ltd.

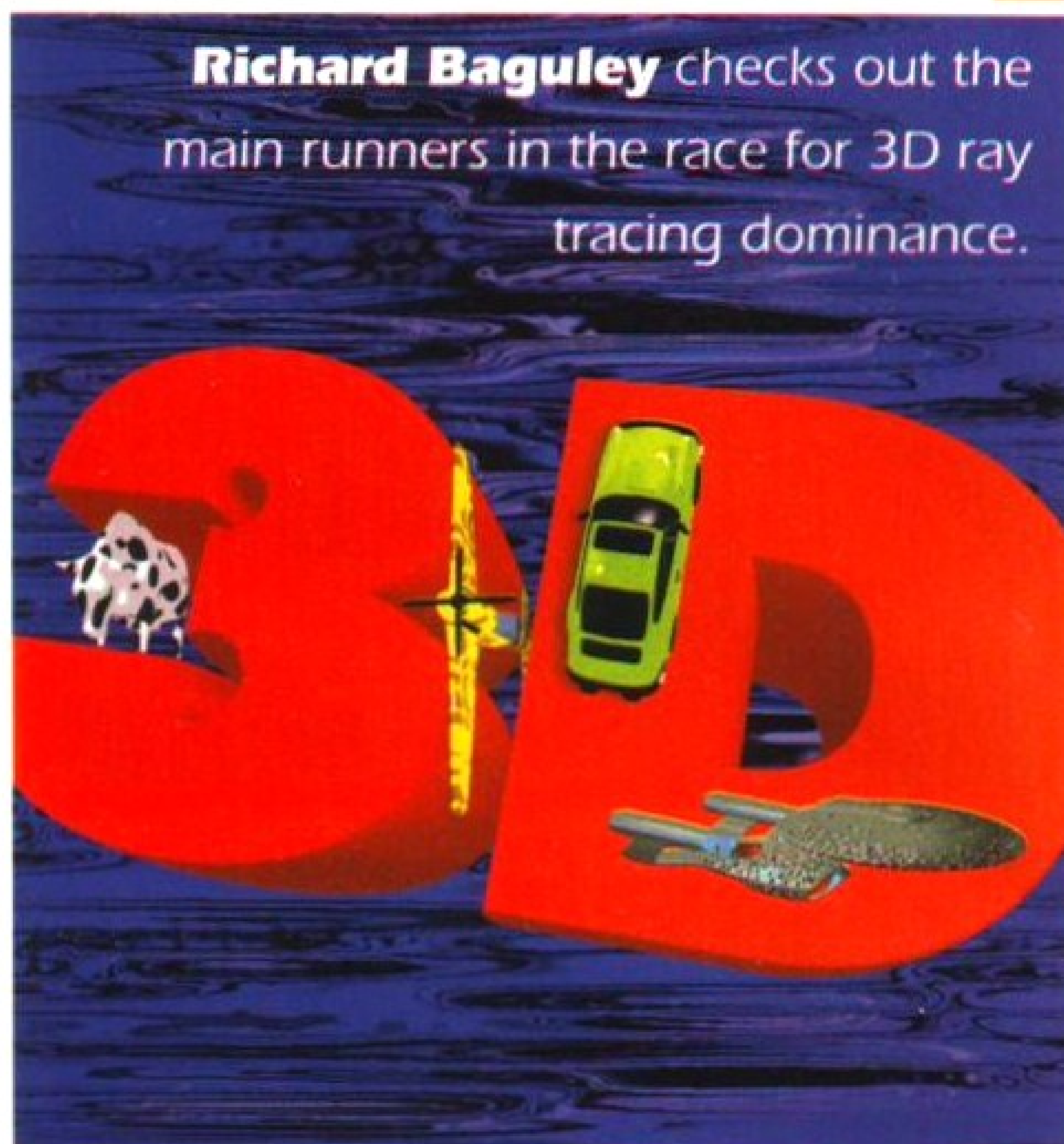
3D round-up

Imagine 2

AVAILABLE FROM : DMS (0702 206165) £117.50



You too can sail the ocean waves with *Imagine*, one of the first ray tracing programs on the Amiga.



Richard Baguley checks out the main runners in the race for 3D ray tracing dominance.

IMAGINE **HAS BEEN** a favourite with the 3D community since its release in 1991. The previous program from Impulse (*Turbo Silver*) had been widely regarded as very powerful, but extremely unfriendly. This, and other problems, were addressed with a redesign of the interface, and a rewrite of the rendering engine.

Imagine is divided into five sections: the project editor (overall control of the rendering process), detail editor (where objects are created and modified), forms editor (for creating symmetrical objects), cycle editor (for creating regular motions in objects such as walking or flying), stage editor (where objects and lights are placed in an environment) and the action editor, where the movement of objects and any special effects are determined.

> "Rumours abound on what *Imagine* 3 will contain, but it's likely to try and regain ground lost to *Real 3D2*."

This sounds complex, but overall it makes it an easy program to use. This is fortunate, because the manuals are terrible, with no sign of an index. This is unfortunate since many of the best aspects of the program are a little difficult to use, such as the brush and texture mapping. The only alternative is to get Steven Worley's excellent book *Understanding Imagine 2* (Alternative Image – 0533 440041), which explains all aspects of the program in a readable and easy-to-understand manner.

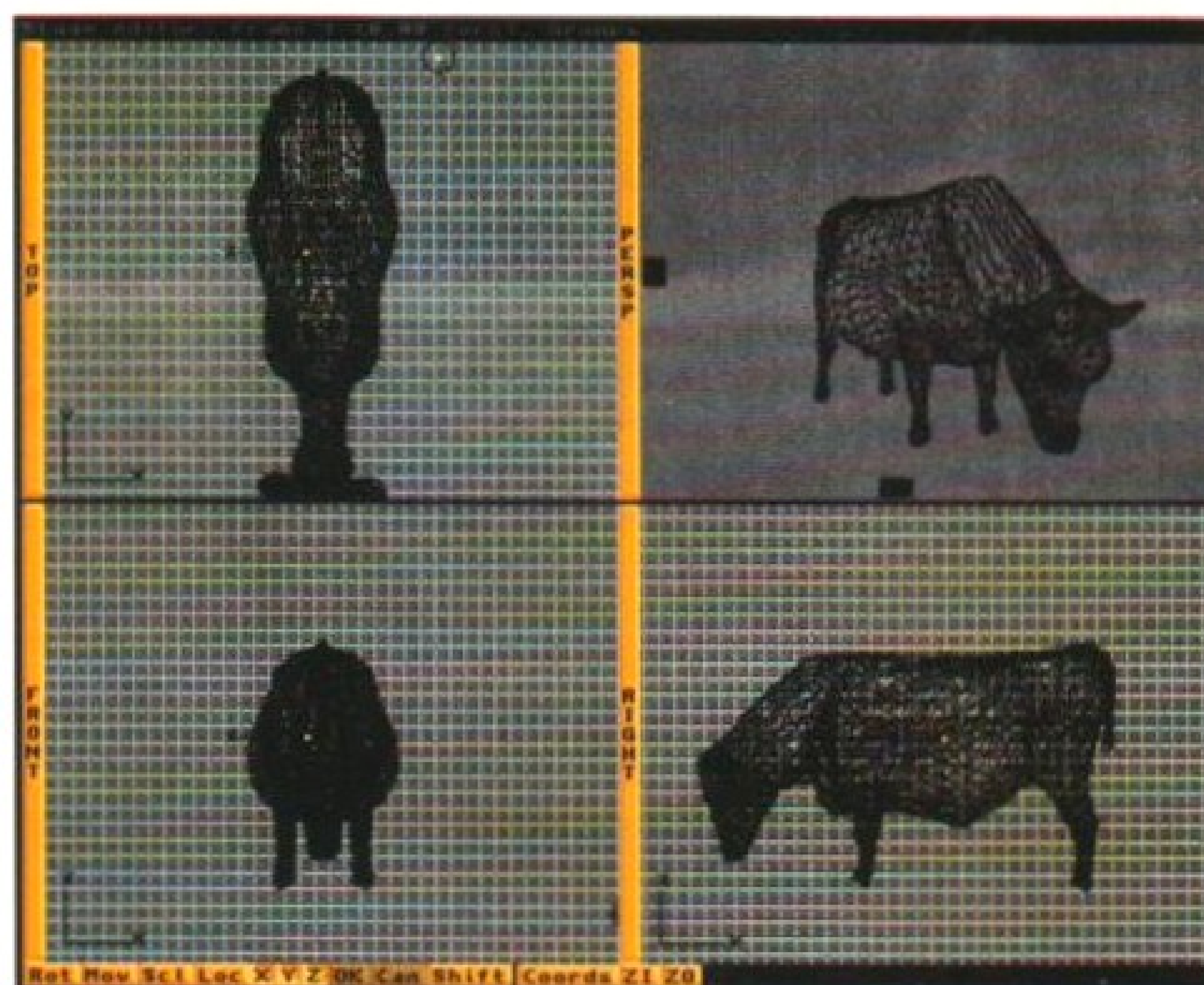
Objects in *Imagine* are composed of points, and the edges and faces between them. You can automatically generate a number of primitive objects such as spheres and disks, and this is often the best place to start when building an object. A variety of tools for manipulating the individual points or the overall object are available, including extruding, skin, conforming to sphere, and *Imagine* can even load in IFF images and convert them into 3D objects.

The combination of the detail editor and the forms editor make creating objects easy, although really complex models can take ages to redraw, even on a fast system. For instance, the model of the Enterprise on this month's cover (see how we did the cover on page 35) is over 1.6Mb in size, and contains several hundred thousand points. This takes over a minute to redraw, but fortunately once the model is complete, you can set it to just draw a box outline of the model, which makes placing the objects in the stage editor much easier.

Imagine is blessed with some excellent animation facilities, including key frame and path based movements. The cycle editor is extremely good for creating actions which repeat, such as the legs when walking or the wings when flying, and once this action has been defined, it can be set to run automatically.

Rendering time varies with the mode used and the complexity of the object, but as a rule it's pretty fast, and the program can generate in all of the normal Amiga screen modes as well as at user-defined resolutions and aspect ratios for use on 24-bit frame buffers such as the Retina and OpalVision card. *Imagine 2* has also recently been bundled with the OpalVision card.

It has been a long time since the last major upgrade of *Imagine*, and rumours abound as to what *Imagine 3* will contain, and when it will appear. Impulse have a policy of not discussing programs that haven't been released, but it is likely they will be trying to recapture some of the ground lost to *Real 3D 2*. It's unlikely that it will be available before the autumn, and even this date is optimistic.



***Imagine*'s four way view can be rather confusing, but manipulating objects is pretty easy once you get used to it.**

Vista Pro 3

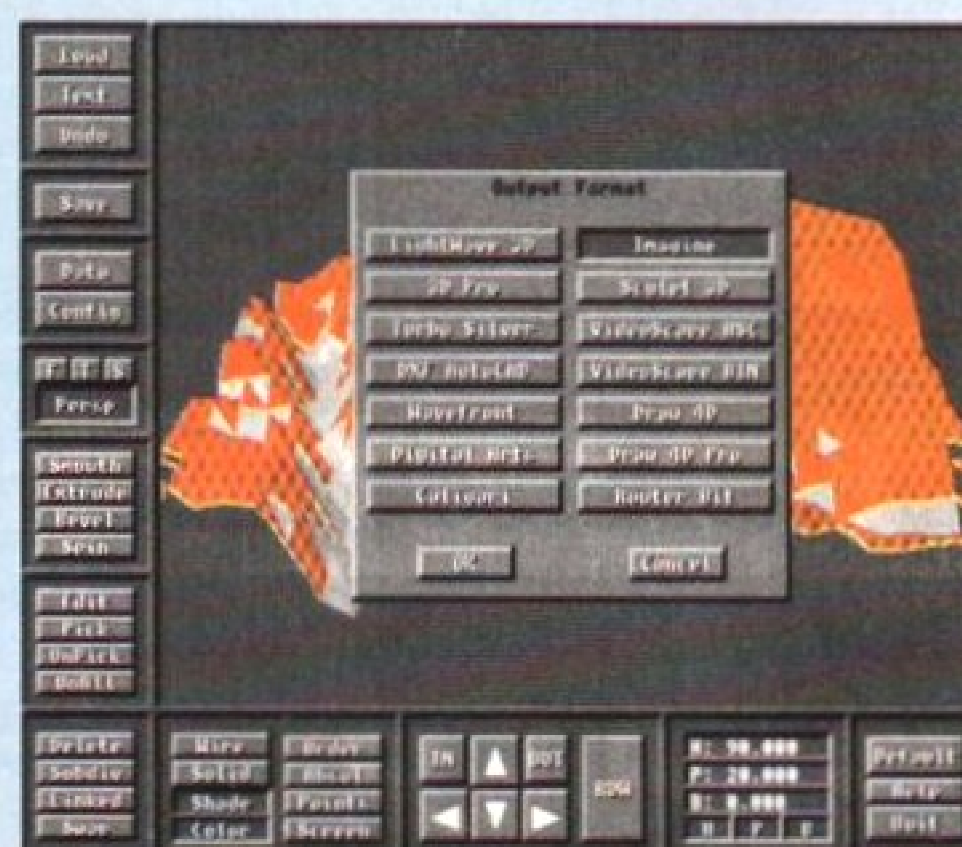
AVAILABLE FROM: MERIDIAN SOFTWARE (081-543 3500) £69.95

Vista has had a long, distinguished history as one of the best 3D fractal landscape generators, and the latest version carries on this tradition, with a host of new features. *Vista Pro 3* can produce stunning 24-bit images of landscapes for use as backdrops in 3D creations. Version 3 can draw realistic 3D trees on landscapes, add roads and buildings and create animations of these landscapes, which could be combined with a ray traced animation.

***Vista* is capable of saving the landscapes as *Turbo Silver* objects, which can be loaded by *Imagine*, or converted to other formats by *Pixel 3D*. These objects can look blocky, but all the colour attributes are preserved, so with a bit of judicious retouching, they can look realistic.**



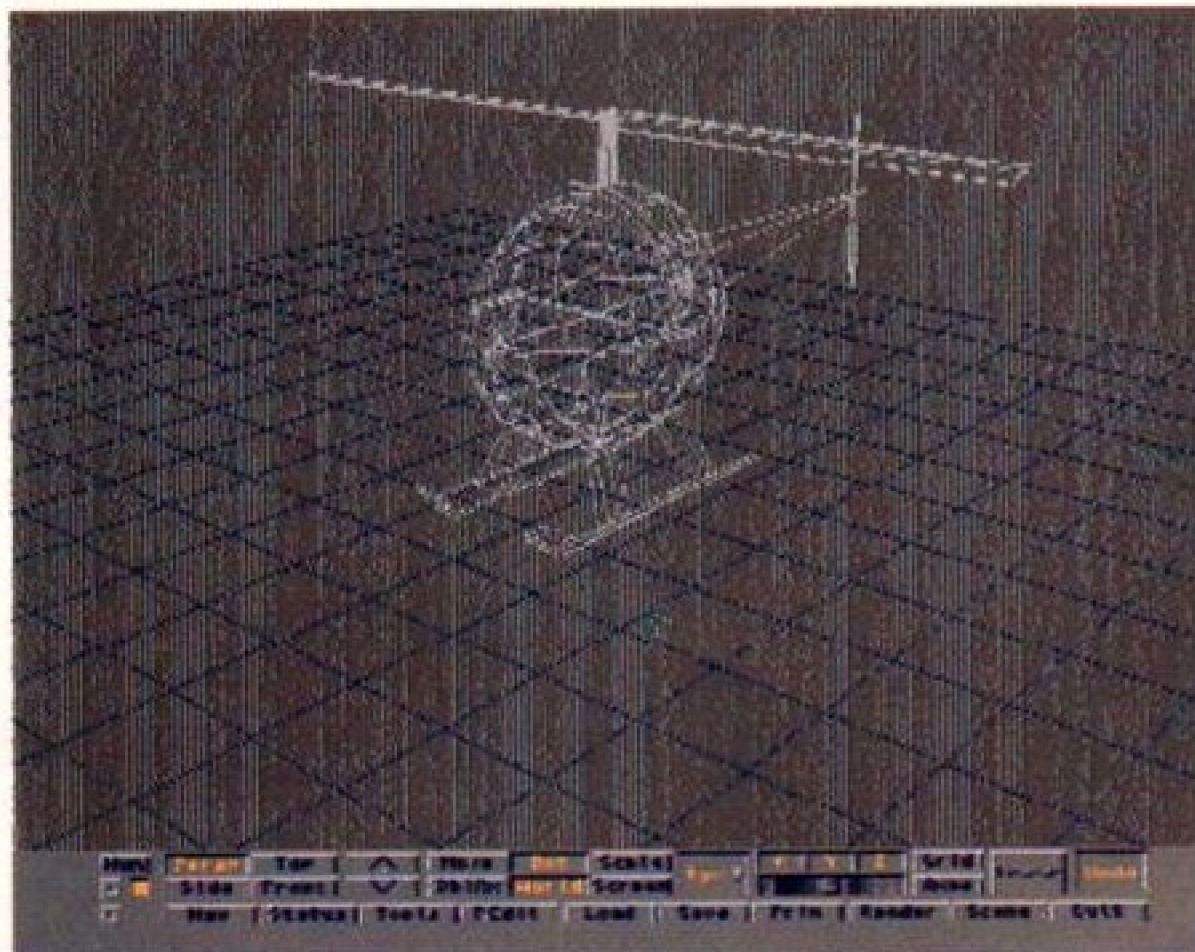
Any section of a *Vista Pro* landscape can be saved out as a *Turbo Silver* object...



...which can be loaded into *Imagine*, or converted by *Pixel 3D Pro* (above) to a number of other formats.

Caligari 2

AVAILABLE FROM: CALIGARI CORPORATION (010 415 390 9600) $500



Caligari avoids the tri-view approach to object modelling, and instead uses this perspective view, which makes manipulating objects easier.



Caligari avoids the tri-view approach to object modelling, and instead uses this perspective view, which makes manipulating objects easier.

Caligari was the first true rendering and modelling program on the Amiga, but it never quite got the popular following that programs such as *Imagine* or *Real 3D* attracted. It's undoubtedly an extremely powerful program, with a wide range of features and model manipulation tools. It also has probably the best user interface of all the programs, with easy object manipulation and a viewpoint which allows you to really plan the scene. It avoids the usual tri-plan view by giving a perspective view of the scene from the viewpoint of the camera.

Unlike other programs, when you move the viewpoint, the screen is updated in real time, as the objects are represented only by bounding boxes. However, the problem of losing much of the detail on the objects is far outweighed by the benefit of being able to see the changes in real time. There's also several useful tricks such as a quick render mode, which means that you can get a preview of the scene in a few seconds.

Rendering with *Caligari* is extremely quick, especially on an accelerated machine. However, it doesn't use true ray tracing, so reflections have to be simulated using bitmap and colour mapping on to the surface of the object. Despite this, with care and planning, it is capable of producing high-quality realistic results.

Caligari has never really got the recognition it deserved as a powerful and very easy-to-use program. However, it's recently been given something of a new lease by its inclusion with 24-bit graphics cards such as GVP's IV-24 version 2. When allied with the quality of image you get with 16 million colour images displayed on a 24-bit graphics card, it's capable of producing some excellent results.

Lightwave3D

AVAILABLE FROM: NEWTEK (0101 354 1146) $1,899 (WITH FREE VIDEO TOASTER)

First off the good news: *Lightwave3D* is an excellent 3D rendering and animation program, as anyone who's seen any of Todd Rundgren's, Nutopia's, or Ron Thornton's work (to name but a few) will testify.

The bad news: it's only available as part of NewTek's Video Toaster – which of course makes it of little practical value to most of us who live in the non-NTSC world. I truly wish this weren't the case, since I find *Lightwave* one of the easiest-to-use animation packages on the Amiga, and it would probably be my first choice were it not for the fact that I now generally have an OpalVision card in the video slot of my Amiga instead of a Toaster, and that it only outputs in NTSC-size formats.

Now down to business. *Lightwave* has a fairly long evolution previous to the Toaster, having begun life as *Videoscape3D*, one of the first 3D programs on the Amiga. Its author, Allen Hastings, has consistently stuck with the Amiga over the years and the fruits of his labours have recently culminated in the release of *Lightwave 3* (available with the new Toaster 4000), which I have yet to see.

One aspect of this past history is revealed by the fact that *Lightwave* can load objects designed in *Videoscape* format, another in that *Lightwave*'s accompanying modelling package, *Modeler*, bears more than a passing resemblance to the old *Modeler 3D* program.

The great thing about *Lightwave* is the ease with which animations can be choreographed – simply set up a series of key frames in the layout editor and place the actors, lights and camera where you want them in each key frame, then let the program do the rest. Each 'tween' will be calculated from the key frames and the frames rendered accordingly. You can even construct a wireframe preview and play it back to check how the work is coming along. Moving the objects around is achieved with little more than a few mouse moves, and the camera (and light/s) can easily be made to track any object - and even change targets on key frames.

A whole range of effects is also available – right from texture mapping to fog, and particle systems to time-based effects called 'envelopes', all of which means that some amazing effects can be achieved. In fact, each individual part of an object (and that could be quite a few) can have separate attributes such as smoothing, reflectivity, colour and mapping type attached to it.

Personally I've never been able to get along with the *Modeler* software (right from the old *Modeler 3D* days), and I still prefer to use *Imagine* (see previous page) to make objects and then convert them for use with *Lightwave*, but judging by many of the complex creations flying around in *Lightwave* animations I'm probably out on a

Claymation

AVAILABLE FROM : TRILOGIC (0274 691115) £TBA

Several years ago, Martin Hash wrote a program called Animation: Journeyman. This was capable of producing some excellent results, but it's control method and interface was a little, well, odd and rather difficult to get used to.

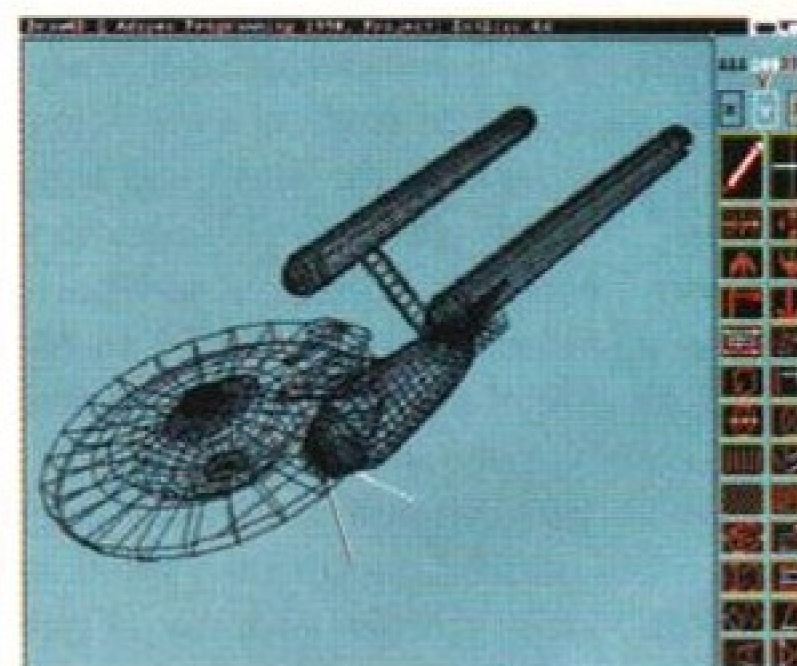
Since then, Martin has been working on a new program, and the result is *Claymation*. This has been out on the PC and Mac for months, but now he's moved on to producing a proper version for a machine that's really designed for 3D work (ie – the Amiga).

Most programs deal with objects as a series of points and edges, with the faces inbetween. However, *Claymation* takes a completely different approach, in that the surface of an object is defined by a series of quadratic equations. Producing the image is then a question of running these equations through the rendering program, which calculates the surfaces from them. This means that it's very easy to produce organic looking objects, which has always been a problem with programs that use point and edge modelling.

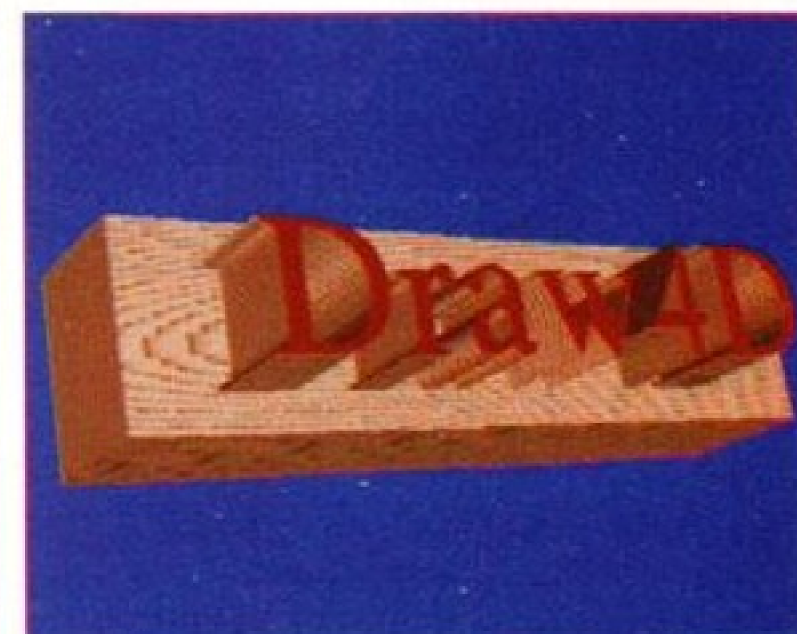
This also means that manipulating objects is easy, because you don't have to drag individual points. If, for instance, you wanted to increase the size of the nose of a 3D model of a face, you would only need to grab the nose and pull it out. Unfortunately, the program arrived too late to be reviewed, but expect a full review sometime over the next few months.

Draw 4D Pro

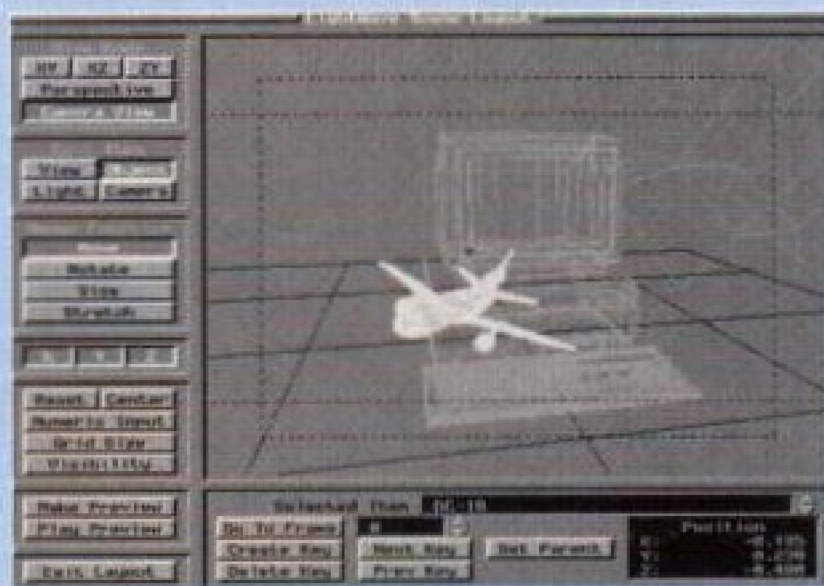
AVAILABLE FROM: VARIOUS SOURCES £170 (APPROX)



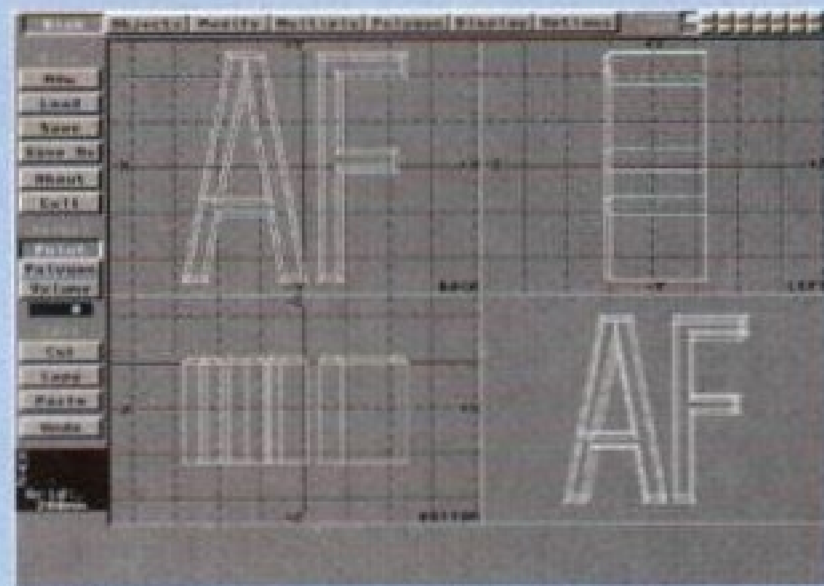
Draw 4D has a very easy-to-use interface, and as you can see, it's easily capable of producing complex models.



Draw 4D is excellent for producing 3D images which involve extruding text in a 3D fashion.



Lightwave's Layout area, where the animation is choreographed.



The Modeller section of *Lightwave*. Not my favourite but very capable in the right hands.

limb on this one. But there's no doubt about it - *Lightwave* and *Modeller* (and of course the Video Toaster) make a very powerful combination. Perhaps the rest of the Amiga world will be able to use it one day.

Gary Whiteley

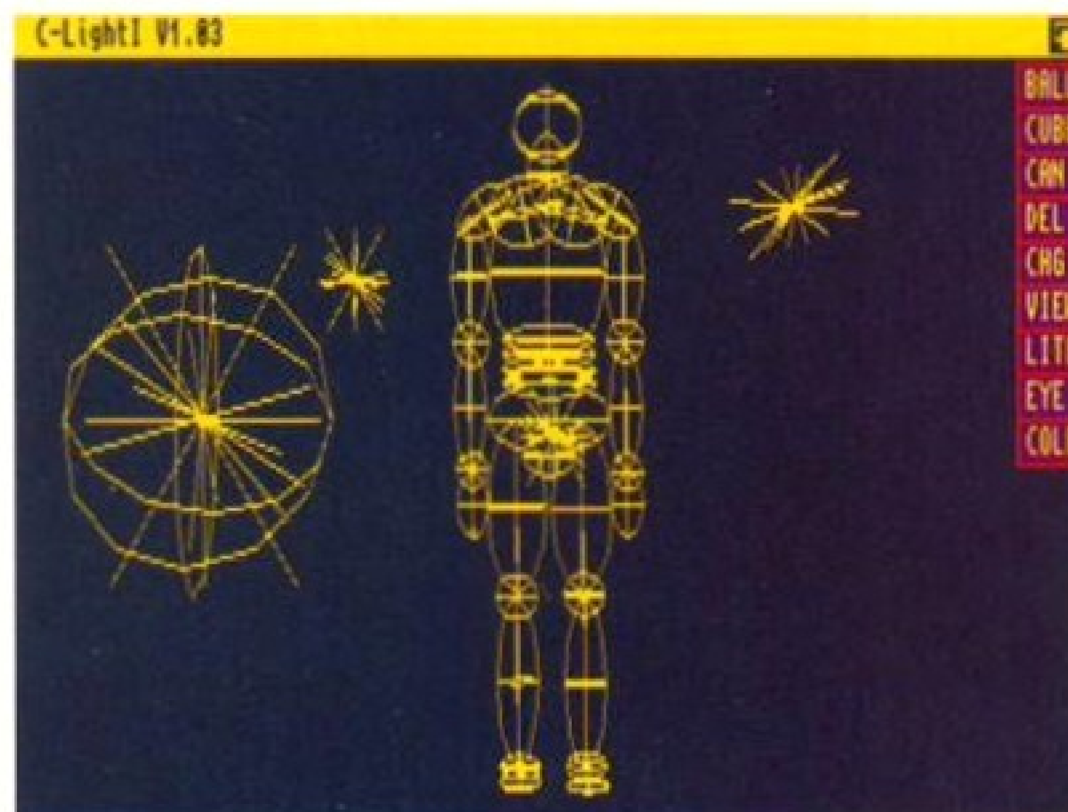
Sometimes, you don't need all of the power of a ray tracing program such as *Imagine*. All you need is to be able to create a bit of 3D text, or a simple object with some 3D extrusion for use in a DTP document, or as part of another image. This is what *Draw 4D* was designed to do.

Much like *Caligari*, the designers avoided the more common tri view of the object, and went for a perspective view. This means that it's easier to see the overall shape of the object, and how it will appear when finally rendered. There's a wide range of tools for building the objects with the usual spin and extrude facilities. It's heavily biased towards working with text, and includes the rather weird ability to extrude from an object in the shape of any letter of the alphabet. It sounds rather strange, but it is extremely useful in the right circumstances. Once you've produced your object and rendered your image, you can save it as either an IFF image or in *Professional Page* clip art format.

Draw 4D is a very capable program, but it's only really useful in a very specific set of circumstances. If you're wanting to create 3D text for use in DTP or video, it's quick and easy. Unfortunately, it's not much good for other purposes, because the output options are limited, to say the least. However, if this is what you want, it's a very powerful program, and it's much faster than using a ray tracing program.

C-Light

AVAILABLE FROM : ANY GOOD PUBLIC DOMAIN SUPPLIER



C-Light doesn't have all of the bells and whistles, but it's a great way of exploring the intricacies of 3D without the cost.

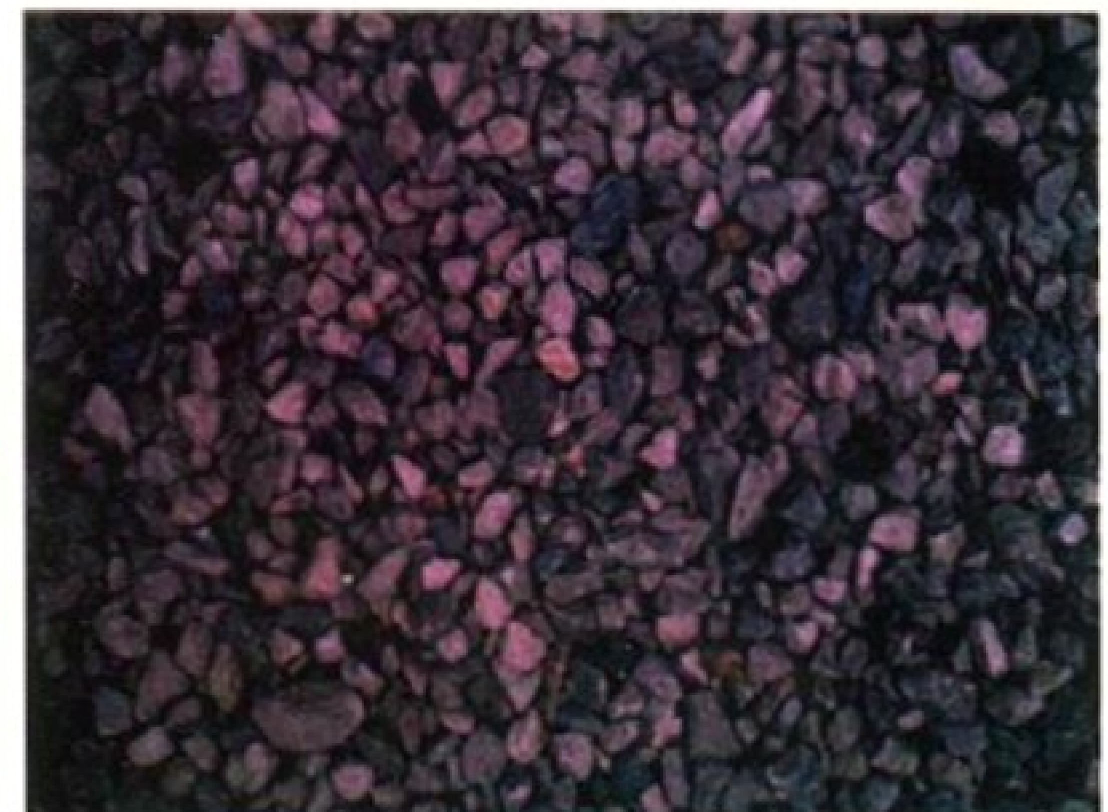
This is definitely the cheap alternative, because it's in the Public Domain, which means you can get a copy from a friend for nothing, or for a couple of quid from any good PD library. The author (Ronald A Peterson) originally wrote it with the intention of producing a commercial product, but after several bad experiences with publishers he decided to make it available as PD.

It's divided into two parts, with one for creating the models and building the scene, and the other for carrying out the processing and creating the image. All of the basic tools that you would expect (such as creating primitives like balls and cubes and adding multicoloured light sources) are present, but there are none of the more complex point or surface manipulation tools found on other programs. You can scale the objects in all three dimensions, but you can't alter them beyond this. However, it is possible with a little patience, to create some good objects using only these shapes.

Once you've created the scene, you save it as a file and run the second program (*CLight II*) which renders the image and saves it out as an IFF file. It's by no means the quickest or most powerful 3D program (the demo image shown here took over an hour to render on an A3000), but if you're interested in 3D modelling and ray tracing, it's a great introduction at little or no expense.

3D Textures

AVAILABLE FROM: ALTERNATIVE IMAGE (0533 440041) £40



Stones may not seem particularly exciting, but they could be useful if you're a serious raytracer...

Creating beautiful objects is all very well, but how do you make them look realistic? Many programs in this feature include textures that can be applied to objects to simulate various materials, but you can't beat the real world can you?

The best thing to do is take some of the real world, in the form of a digitised 24-bit image. Unfortunately, producing images suitable for this requires an expensive digitiser and a lot of time. Fortunately, Alternative Image have already done this, and have produced two volumes of textures suitable for use with any of the programs in this review. Apparently, when Henri Bujiko goes on holiday he doesn't bother with the usual snaps, but instead photographs any objects with interesting colours or textures. When he gets back to the office, he digitises them in 16 million colours, and the result is these two volumes of textures.

Each set contains 12 disks, and each disk has a specific texture or image. Subjects range from marble to sand to underwater rocks. They are all in four formats: a standard HAM image, a 256 colour version, a monochrome version suitable for use with bump mapping and a full 24-bit version.

These disks are only of use to someone who's seriously into ray tracing. They are quite expensive, but if you need to do an animation quickly, this could be an extremely useful resource to have handy. Now all we need is for Alternative Image to bring out both volumes on CD...

Pixel 3D Professional

BITMAP TO VECTOR CONVERTER
ALTERNATIVE IMAGE (0533 440041) £160

There are a wide variety of ready made 3D models available for the programs reviewed here, but none of the programs can read those produced in other programs, unless you've a copy of *Pixel 3D* that is...

Pixel 3D is a program which can load in an object created in *Lightwave 3D, 3D Pro, Turbo Silver, Autocad, Imagine, Sculpt 3D* or *Videoscape 3D* and save it out to any other of these formats. It will load any IFF and convert it into a 3D object and while converting it can also spin the object (giving you a spiral object), add bevelling on the edge and smooth the object to a varying degree. Although this will have most relevance for high resolution, two colour images (for creating logos), it makes a good job of images with more colours, if you fancy adding a stained glass window to your scene.

It's currently in its second incarnation, with several improvements over the version that was reviewed way back in issue 25. The speed of processing has been improved, and includes a version specially



Converting objects from one 3D format to another is easy with *Pixel 3D*.

designed for use on accelerated Amigas. Unfortunately, there are still a few bugs and it's not the friendliest program I've ever used.

If you're regularly wanting to use objects in several different programs, or wanting to have more of a degree of control over converting IFF images than programs such as *Imagine* offer, *Pixel 3D 2* is well worth checking out. However, it is extremely expensive for such a utility.

If (as we all suspect) God plays Populous on His Day of Rest, REAL 3D is what He must have been using for the rest of the week. On the other hand, as a mere mortal, Brian Larkman just gets creative with...

Animating with Real 3D 2



This image illustrates the powerful new features of *Real 3D 2*. It took over 24 hours to render on a 33MHz Amiga 030. Overall, there is a depth of field effect. The light source is a rectangle and light samples are set to one, so the shadows have soft edges.

All of the objects except the blue pyramid are B-Spline mesh objects that render with no sign of faceting at the edges (see especially the red bangle) and superior mapping, but they are cause the slow render. The pyramid is spinning just off its main axis and it has a motion blur Attribute.

IF YOU WANT to model the world, God jokes aside, there are a few features that you must have. Every decent 3D system since *Sculpt 3D* has given you reasonable modelling tools, surface textures, adjustable light sources, realistic ray-traced rendering and animation, and much more. These features are now the norm. Using such tools, a flood of fantastic images and animations has poured from our Amigas over the last nine years

Brilliant as these images are, for an artist the lack of subtlety in many of them, is quite troubling. Often the best art comes from manipulating the soft edges of any medium, the smears and smudges, the overlays and washes, the after-images, the soft focus.

In animation also, apart from the work of a few gifted professional animators who instinctively know about manually blurring the edges of animation, subtly 'easing' movements in and out, the motion paths used can be quite robotic and mechanical looking. Although expensive high-end 3D systems can produce these effects, few affordable desktop machines could cope – soft edges and realistic motion need lots of power.

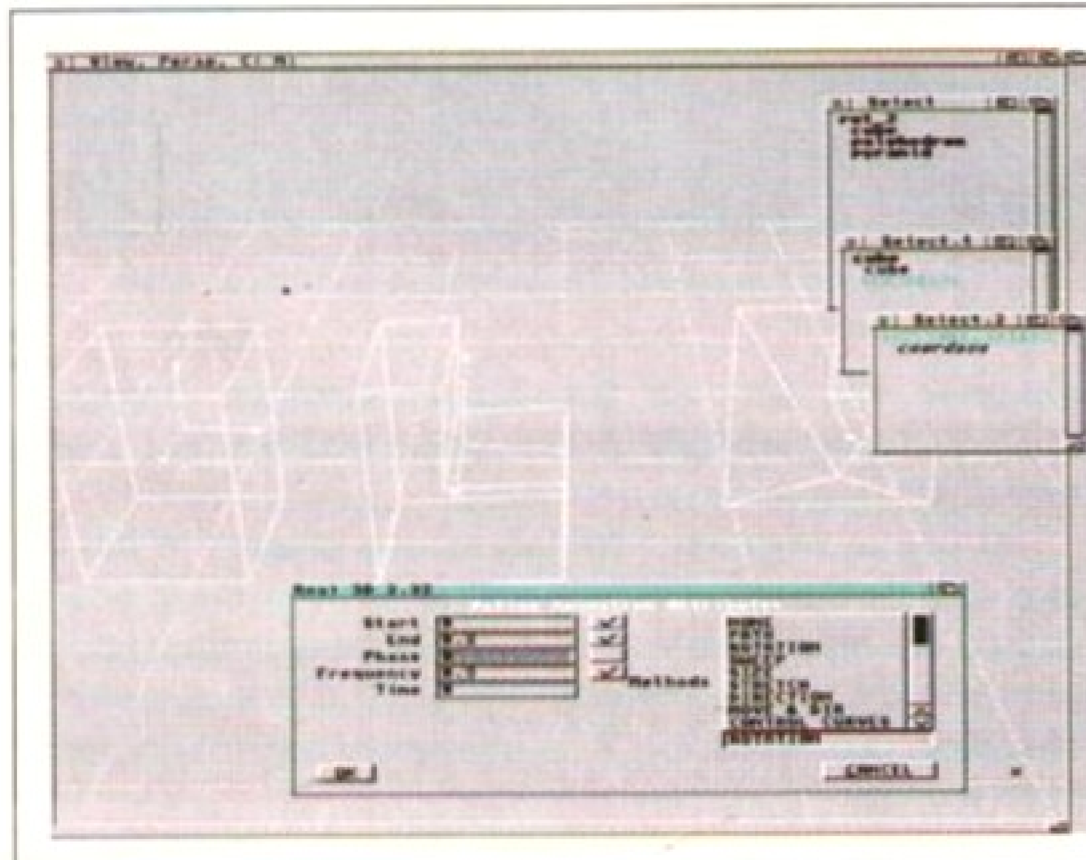
The arrival of *Real 3D 2*, reviewed in *Amiga Format* 46, has changed all of this because, as well as blended textures, soft shadows, depth of field, and atmospheric effects, it offers realistic animation control. Most of the new modelling and rendering tools were discussed in the review, so for this feature it's time for an animated discussion.

Although this all refers to *Real 3D*, the principles were developed over the past 10 years for high-end animation systems and used for computer graphic effects in Hollywood films and TV adverts. As computer power improves, these techniques will become commonplace on home computers – *Real 3D* is just the beginning!

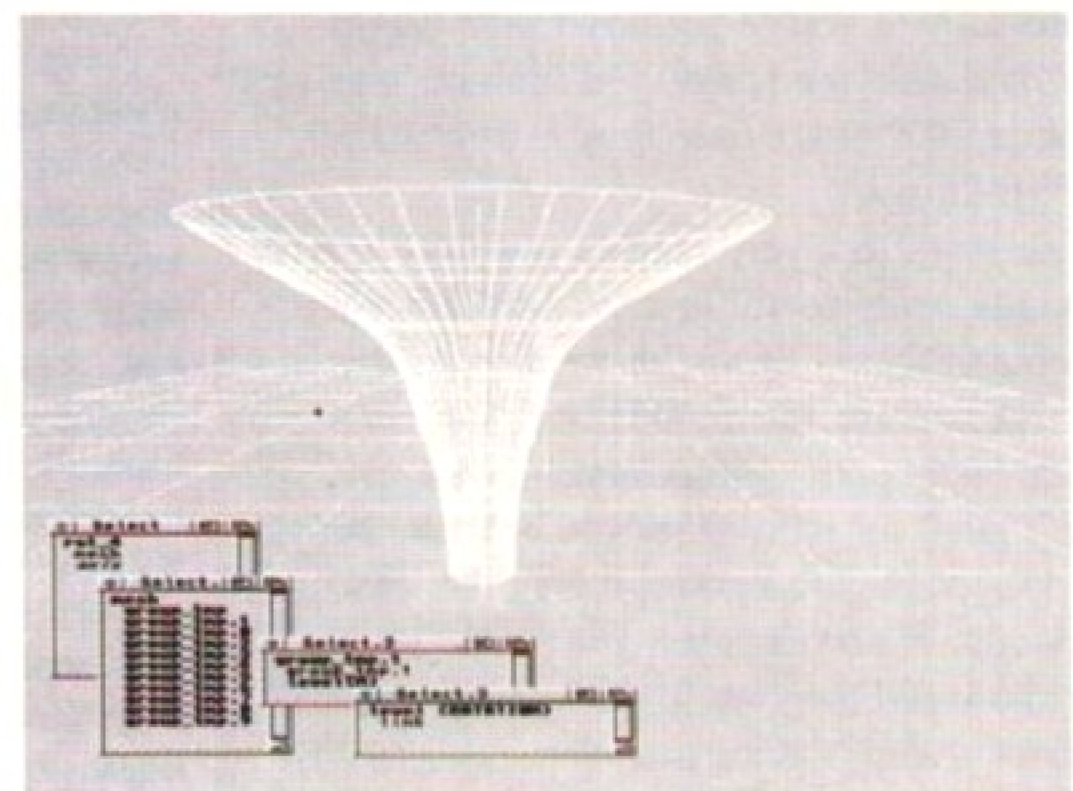
REAL 3D VERSION 2 was reviewed in *AF*46 and is available from Alternative Image on 0533 440041

The best animators learn their craft by watching the real world, observing the minute changes of speed and direction that distinguish realistic motion from mechanical movement. Without spending a lifetime learning this art, the only way to make animation look real is to give the objects real properties – mass, shape, friction, gravity, wind speed, collisions, applied forces. All of these and more can be programmed into *Real 3D* objects. Once a force is applied, your animation will roll, slide or collide, just like objects do when they're in the real world.

Real 3D 2 applies its properties and animation effects in the same way it produces materials and textures, by including them in the object's hierarchy – one of those classically simple ideas. All of the animation types are provided as pseudo objects called



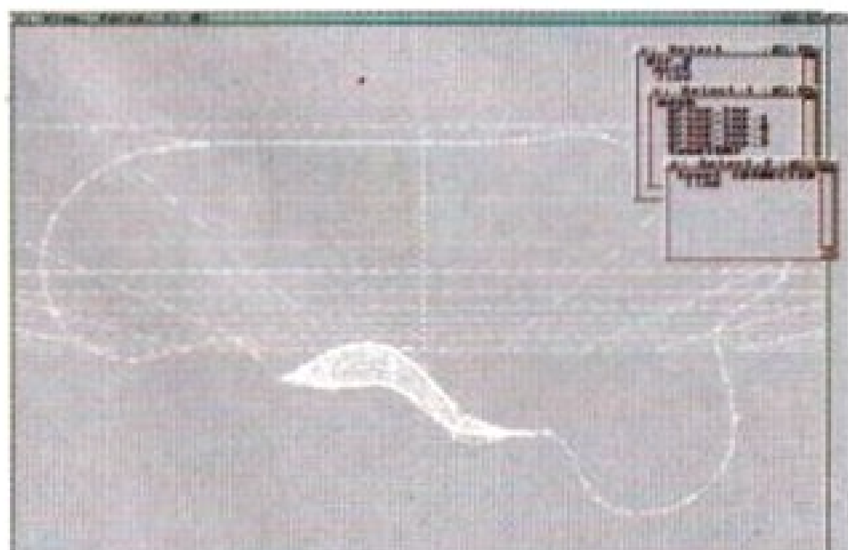
Placing a Rotation Method with an object, and an axis beneath it will rotate the object around the axis. The degree of rotation is controlled via the Animation Method Properties Requestor. This allows the parameters for any Method to be defined, including start and stop times, phase and frequency. The Tornado is twisted by selecting each horizontal band of points as a group and giving them different frequencies of rotation.



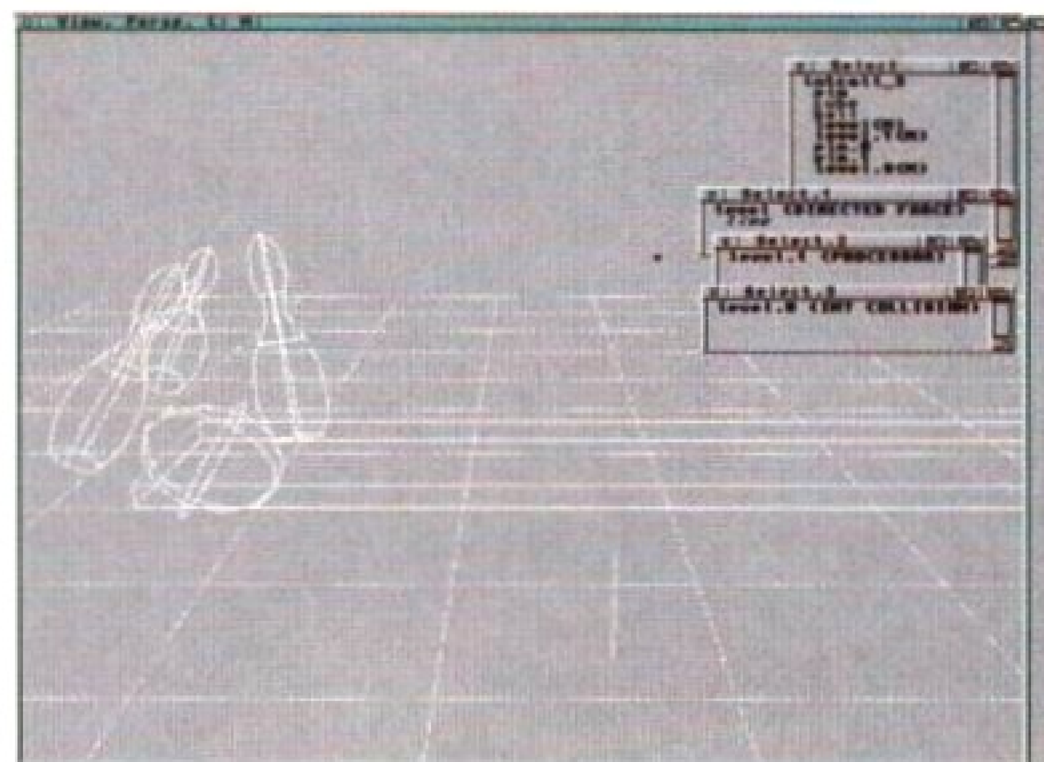


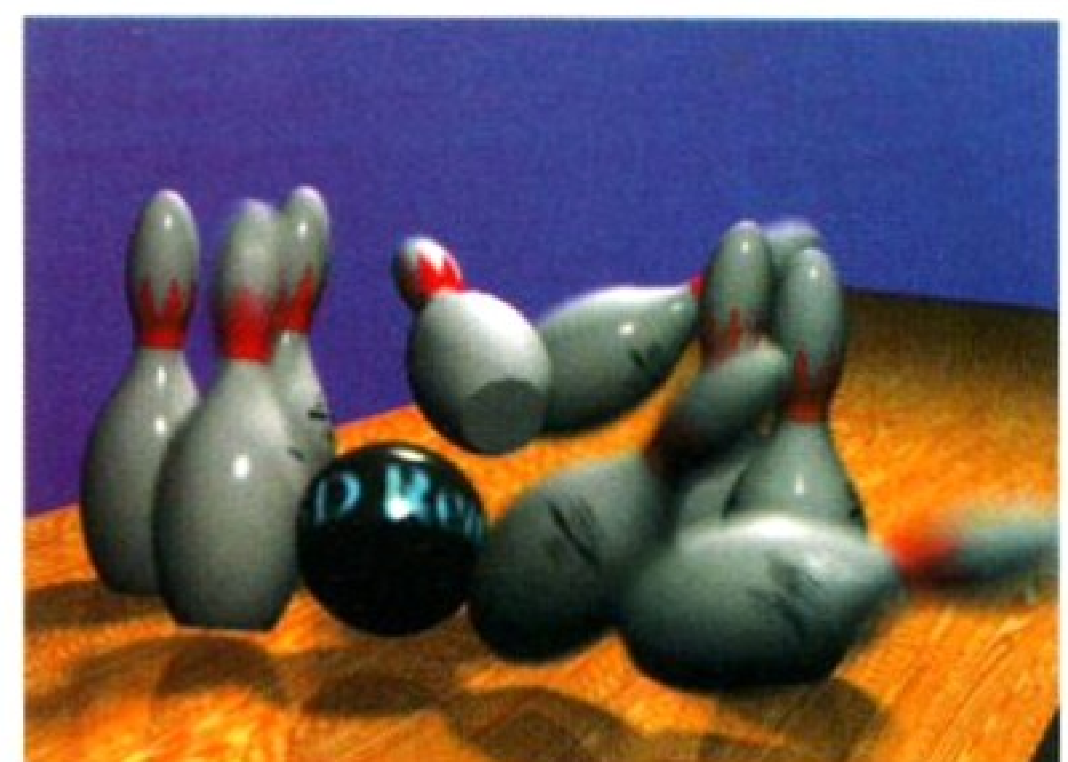
Methods. These will affect any real modelled objects placed at the same level in the hierarchy with them.

A Real object can therefore be modelled, its material qualities added – surface texture, transparency, and so on, and then even its type of motion – walking, rolling, pulsing – tacked into the hierarchy. This produces a complete entity that can be saved, duplicated, and used repeatedly, acted upon by other forces just like a real creature, plant or machine. This way *Real 3D 2* gives you true object oriented programming at work!



Objects, like cars and planes, following a path often need to point along it. The Direction Method takes care of this. This Fish/Slug not only points along the path, it deforms to follow it. Variations include Move&Dir Method which allows separate Move and direct paths, and Control Curve Method with 2 control curves.

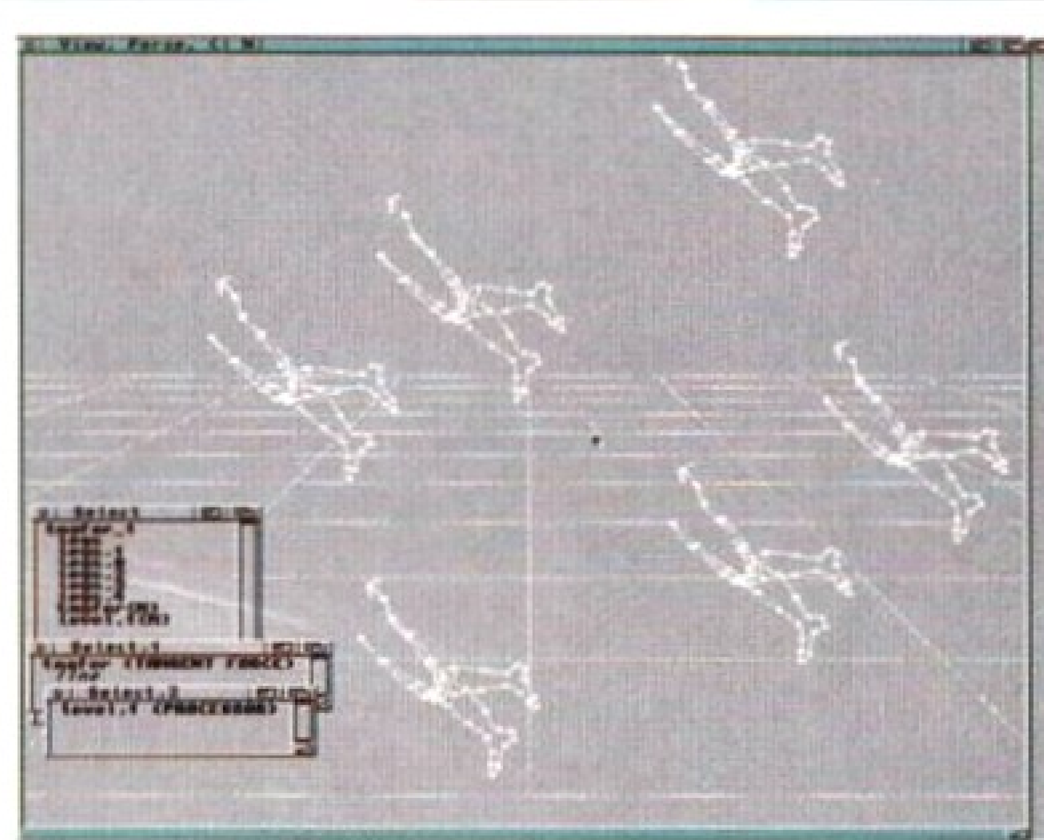




If our object comes in contact with other objects there should be a reaction. This comes under the Interactive Collision Method. The classic example of this is a bowling alley – the alley floor has a mass to prevent it from being moved by the ball or pins. Gravity is set to a standard amount for the scene using a Directed Force Method, and an Int Collision Method will control all of the collisions and ensure that the ball and pins will react correctly.

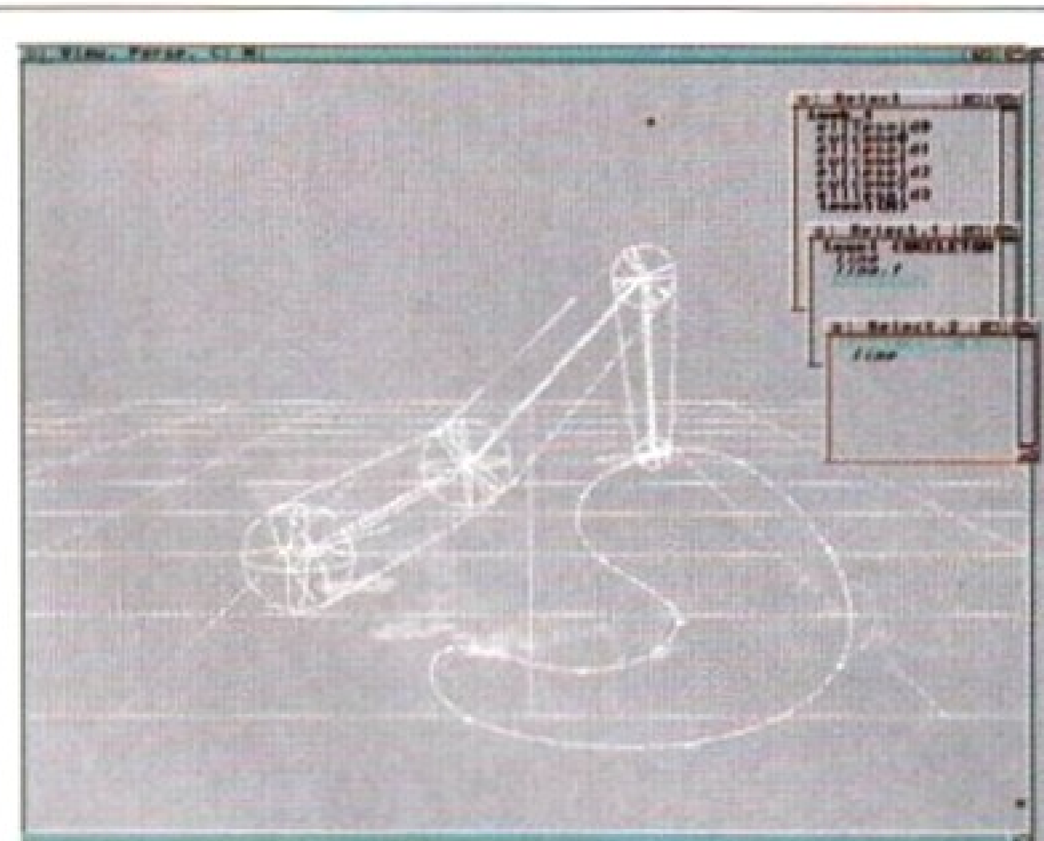
Next a value for friction is added to both the alley floor and the ball to make the ball rotate rather than skid down towards the pins. Finally, the ball is given a velocity vector to propel it along the alley. If you start it off about half a metre above the alley so that it crashes down and bounces the simulation of the average player will be complete.

For the final render, if you do one, the pins and ball can be given motion blur using the Attributes Requester. The final effect is amazing from such a simple animation, and shows the immense power of this system.



***Real 3D*'s ability to give objects real properties acted upon by applied forces such as gravity or wind speed can only work because each object has a 'life' of its own. If you duplicate an object, each copy can be set off on its own journey, interacting with the other 'clones' and with the world around it. This technique is called 'particle' animation or 'flocking'. In *Real 3D 2* it is developed beyond this to animate full objects with their own built-in 'character'.**

A range of forces can act on these objects. The simplest is a Radial Force of attraction or repulsion. Given a value, this can be the basis for a simulation of gravity, with all objects affected equally. Using the Directed Force Method, a line can be added beneath the method in the hierarchy that represents the direction of the force. If the line is curved, the force varies over time, simulating turbulence. Adding a Tangential Force Method will make a 'flock' of objects break away from each other as they rotate. Here a 'flock' of legs are spun away from their circular dance by this tangential force.



A complex problem of any animation is making characters move convincingly. *Real 3D 2* uses several methods to control this including Sweep, Skeleton, and Inverse Kinematics. Sweep usually controls a limb swinging around a pivot point.

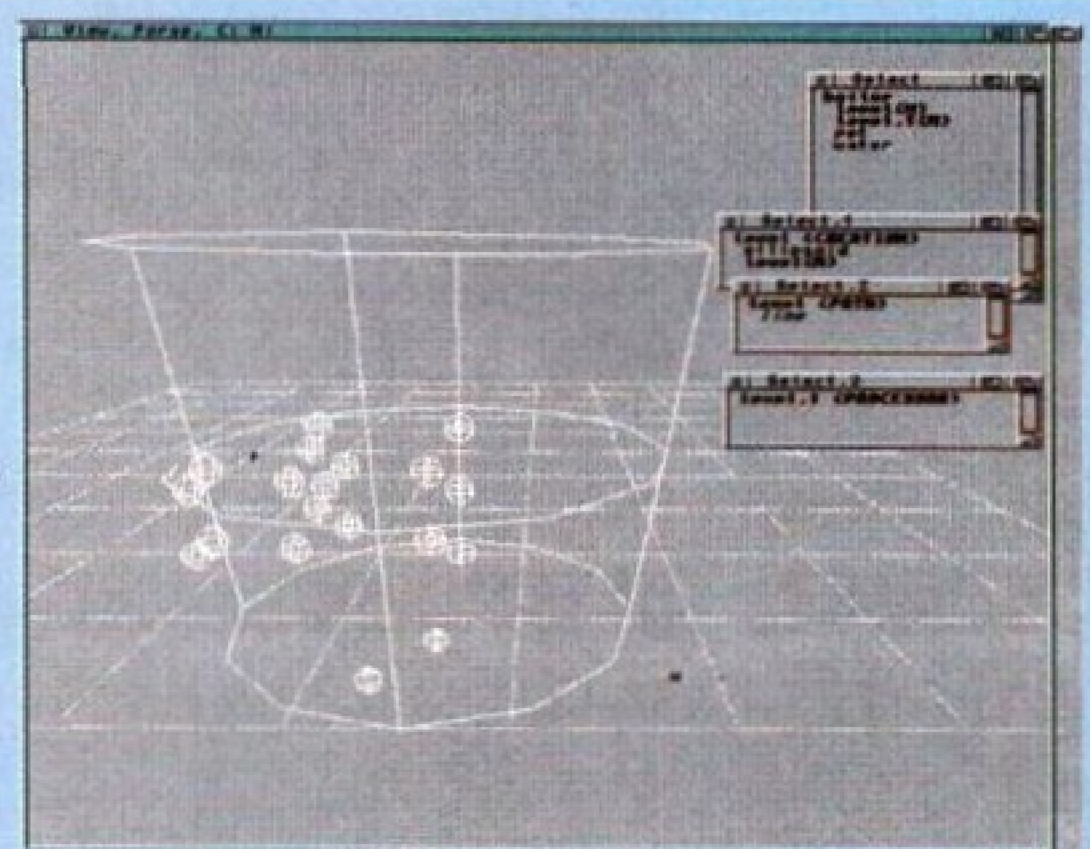
A Skeleton is a simple object that can be manipulated easily, but which controls the movement of a more complex object. On other 3D systems this takes the form of simple straight lines that act as stick figures controlling the full anatomy of a body for example. *Real 3D* Skeletons can be B-Spline lines that will bend allowing beautifully articulated limbs. Imagine animating an Octapus for example!

Even worse, imagine one tentacle pressing a button. The Inverse Kinematics Method allows the tip of a finger or limb to be positioned independently, dragging the rest of its limb with it. This technique is powerful, especially with the Skeleton Method. The only thing it needs is a way to limit movement so that arms cannot be bent back unconvincingly.

As usual there is not enough space to describe everything – we have only scratched the surface of the tutorials, let alone started with real experiments. Nevertheless, the final example puts together several Methods in one.

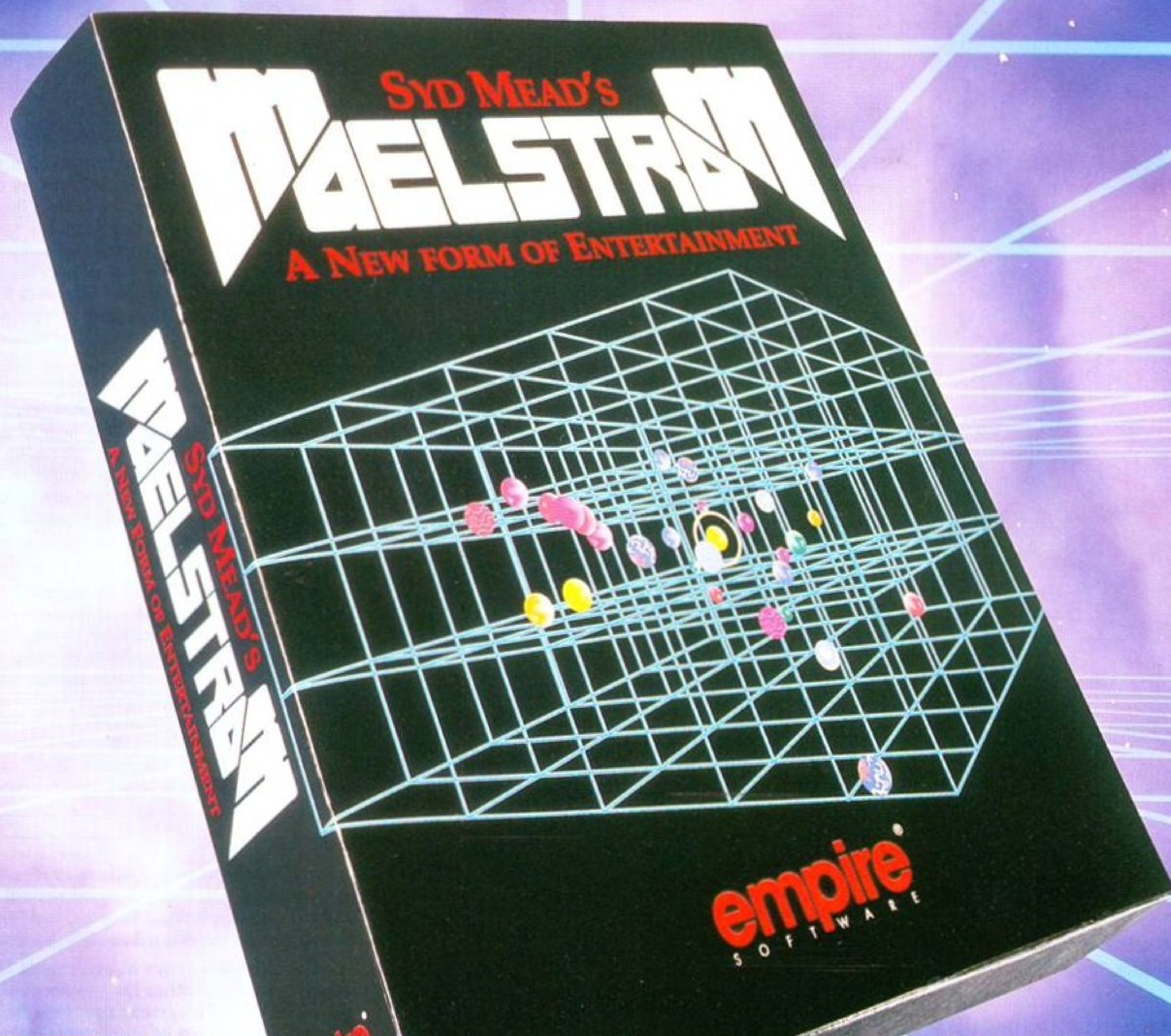
Imagine dropping an effervescent tablet into a glass of water. Theoretically the tablet hitting the water should create a circular wave, and a splash, sink to the bottom, start to fizz sending bubbles to the surface, rock-and-roll a bit then rise to the surface to dissolve away.

All of this is probably possible with *Real 3D*, though making the water react to the tablet may be difficult. There is a Wave Method that could be timed to produce suitable radial waves. A Directed Force Method, (or maybe a Friction TAG) could be used to slow the tablet's fall in the water and its wobble as it sinks. At the bottom, a Creation Method could create bubbles that grow and rise, similar to the ones illustrated here for boiling water. Finally the tablet could pop to the surface along a Path and dissolve with a Size Method.



BORN IN THE MIND OF SYD MEAD
A NEW FORM OF ENTERTAINMENT

The Ultimate Planetary War Game that mirrors real life, yet lets players escape to worlds only dreamed of...

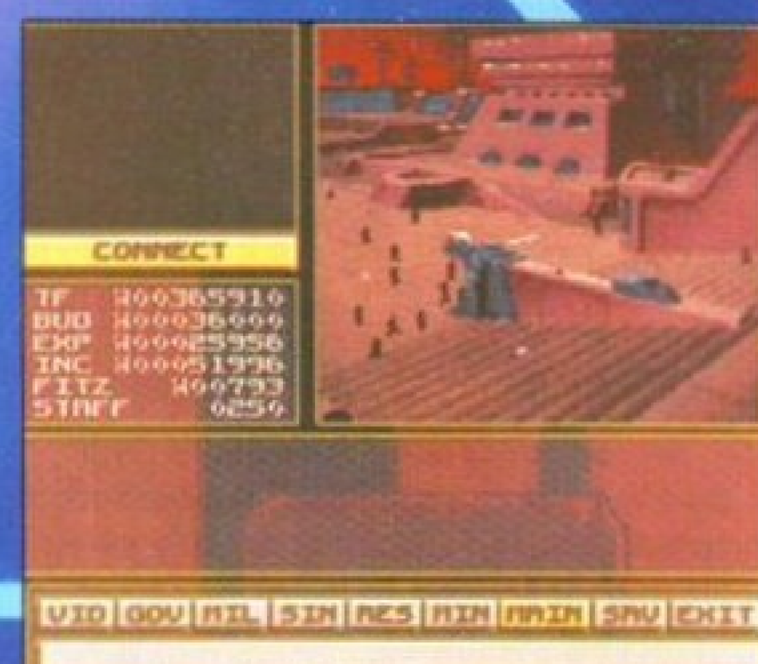






- Superb non-linear gameplay, set in a realistic economic environment.
- Over 9 Megabytes of fantastic action sequences.
- Cellular Automata, a unique new feature where every character has its own life, motivation and rules.
- Fully animated strategic battle command area.
- Maelstrom includes a multitude of computers, weapon types and ship classes that can be set up in many ways.
- All computers have different intelligence patterns and task abilities.
- Fit out your battleship from a vast array of weapons.
- Fully animated strategic battle command area.





IBM PC and Amiga

MAELSTROM IS NOT FOR THE FAINT-HEARTED, WHEN YOU LOSE - YOU DIE...

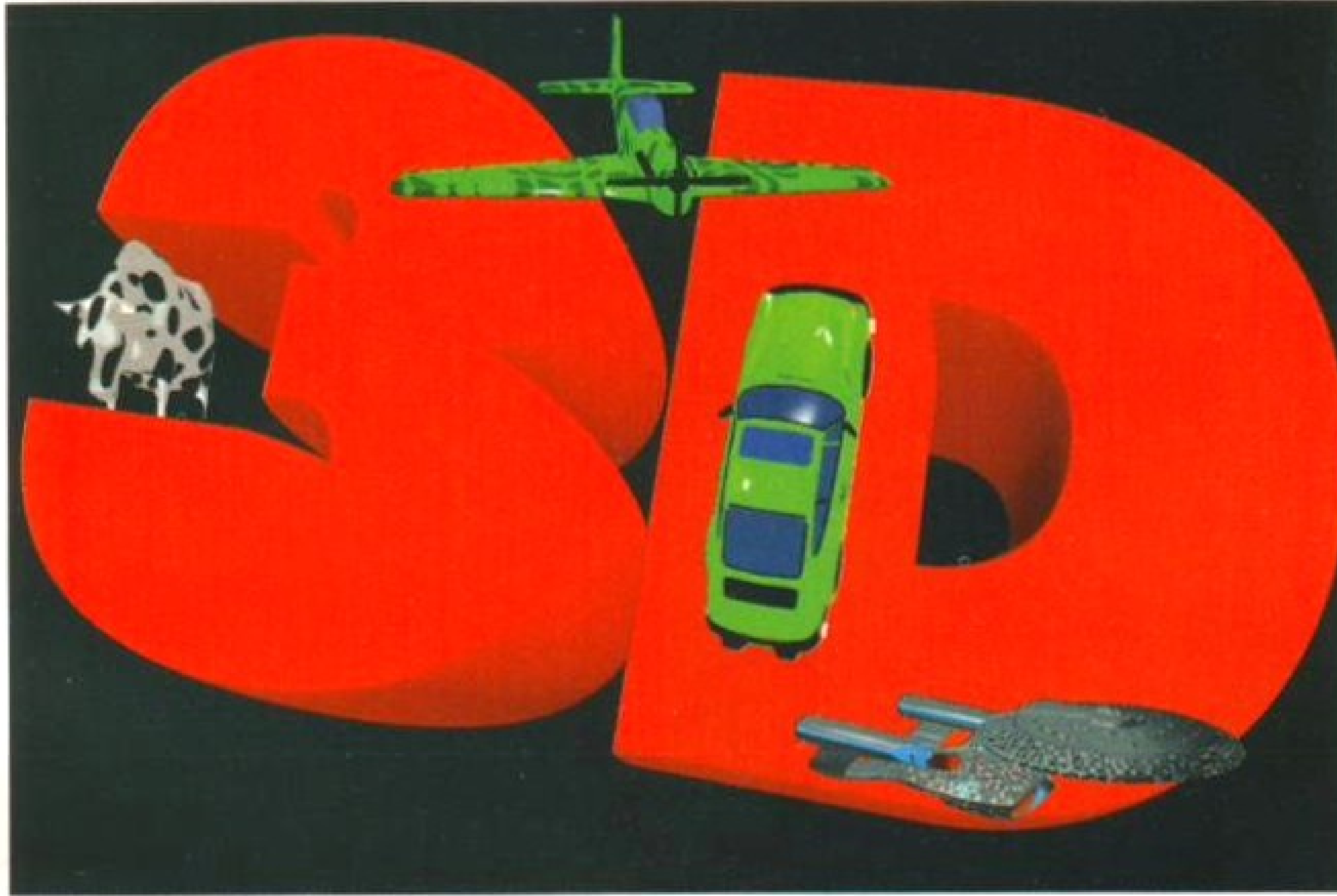
Distributed by Empire Software The Spires, 677 High Road, North Finchley, London N12 0DA Tel. 081-343 7337

empire

"Maelstrom" is a trademark owned by EPICENTER
©1993 ALL RIGHTS RESERVED

This month's stunning 3D cover illustration was produced using Amigas. **Richard Baguley** takes you through the process of creating the final image.

Covering the magazine



This version of the cover was produced on an A3000 with 6Mb of memory using the programs *Imagine, AdPro, Gigamem* and *ImageFX.*



ASDG's excellent program *Art Department Professional* is excellent at combining 24-bit images together, although GVP's new program *ImageFX* can also combine images in 16 million colours.

THE FIRST STEP in producing this cover was to produce a design, showing what sort of images would be used, and how they would fit together. This was done by Marcus Dyson (editor) and Sue White (art editor). This design called for a variety of objects to be flying around the central theme of the cover, the letters 3D, which were to be ray traced.

The first thing we did was to create the two letters as objects, and ray traced them. A two colour high resolution IFF image of these was produced using the appropriate text font, and this was converted into an *Imagine* object by using the program *Pixel 3D*. This scans the IFF image and creates a flat object from it. This was then extruded to create a complete 3D object, which was loaded into *Imagine* and rendered in 24-bit colour at a resolution of 1,832 x 1,125.

A quick check through the Public Domain models available on the CIX Bulletin Board for the ray tracing program *Imagine*, and the objects supplied with the program gave four suitable models: a cow , a P51 mustang plane, a Porsche car, and the Starship Enterprise.

The Starship Enterprise was particularly interesting in that it alone took 1.6Mb of disk space. Produced by an American called Carmen Rizzolo, it is composed of 146 different parts and many thousands of points. There is an incredible amount of detail in this model, and it produces truly stunning images. However, it requires vast amounts of memory to render, and needed the virtual memory program *Gigamem* to give more memory to the accelerated A3000 used to produce the images. In the end, rendering this model needed around 12 megabytes of memory.

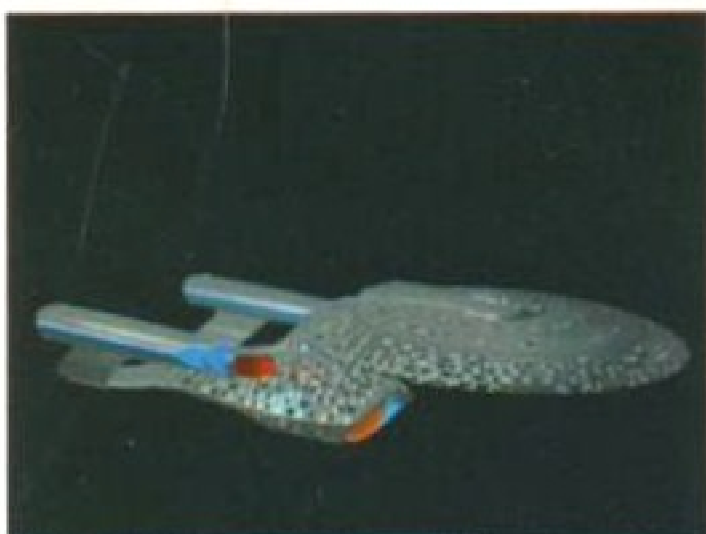
Although the cover required these images to be flying around the 3D text, it would have been impractical to render all of the images in one scene, since this would have taken an incredible amount of time and memory. Instead, each of the objects were rendered separately, and the 24-bit images produced were combined together to give the final version of the cover. Each of the separate illustrations is shown on this page.

Unfortunately, time constraints meant that the process of combining the images together was done on Marcus's Apple Mac, which is based around a 68040 and has over 16Mb of memory on board. This machine was capable of carrying out the image compositing much quicker than the Amigas we use in the office.

However, there is absolutely no reason why an Amiga couldn't be used for this, since either ASDG's program *Art Department Professional* or GVP's *ImageFX* would have been capable of producing the final image. All of the images had been produced with backgrounds of one solid colour, which could be used as a transparency mask when compositing the images.

Just to prove that it can be done, the illustration of the cover (pictured above left) was produced completely on a 6Mb A3000 running *Imagine, AdPro* and *Gigamem* with a Retina graphics card used for viewing the 24-bit images. No other computers were used at all during this process. Now, who says that Amigas aren't capable of producing professional quality images?

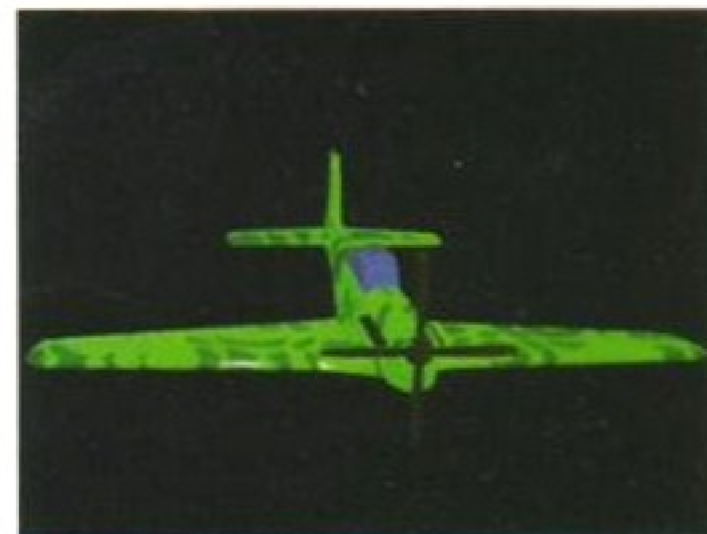
INDIVIDUAL IMAGES THAT MADE UP THE COVER ILLUSTRATION



This image of the Starship Enterprise was rendered from a PD *Imagine* model.



The render of a Porsche was created at this angle to fit in with the character D.



A green camouflaged P51 was rotated through 90 degrees for the actual cover.



And finally, a hovering Bovine, set to graze on the number 3 of the main image.

12/05/93

FIRST COMPUTER CENTRE (LEEDS) Tel: 0532 319444



FIRST
COMPUTER CENTRE
OPEN 7 DAYS A WEEK
OPEN MON - SAT..................9.30AM-5.30PM
SUNDAY OPENING...........11.00AM-3.00PM
THURSDAY NIGHT LATE...9.30AM-7.30PM
CLOSED BANK HOLIDAYS

AUTHORISED DEALERS FOR ACORN, CITIZEN, COMMODORE, DIGITA, PACE, PRIMA, SEGA, ROMBO, STAR, SUPRA,

FREE DELIVERY!

HOW TO ORDER

Order by telephone quoting your credit card number. If paying by cheque please make payable to the: "FIRST COMPUTER CENTRE."
In any correspondence please quote a phone number & post code. Allow 5 working days for cheque clearance

- Low interest credit available! Please phone for details
- All prices include VAT & UK mainland Delivery
- All hardware/computers are genuine UK spec.
- Free Fast Standard 4 to 7 day Delivery
- Guaranteed 2 to 3 day (week days) Delivery..£2.50
- Guaranteed Next Day (week days) Delivery...£4.90
- Open seven days a week
- 1100 sq. ft. showroom
- Free large car park
- Overseas orders welcome
- Full repair service

SALES & TECHNICAL

24 HOUR MAIL ORDER SERVICE 6 LINES!
0532 319444
FAX: 0532 319191
FOR DESPATCH & RETURNS ENQUIRES TEL. 0532 637988

SHOWROOM ADDRESS:
DEPT. AF, UNIT 3,
ARMLEY PARK COURT,
OFF CECIL STREET,
STANNINGLEY ROAD,
LEEDS, LS12 2AE.

Prices are subject to change without notice. E&OE.



NEW LOW PRICE!!

AMIGA 1200 £359.99!!!

32 bit technology based on the 68020 chip running at 14.2 Mhz, AGA custom chipset. The 1200 represents the future of the Amiga. Buy it!! Comes with WB3.

The New Amiga 4000/030

Based on the 68030 processor. Complete with hard drive & 2Mb of RAM (or 4Mb RAM for 120Mb versions) & WB3

Amiga 4000/040

AMIGA 500 Plus or Cartoon Classics Pack
with Lemmings, Captain Planet, The Simpsons & D-Paint 3
AMIGA 500 Deluxe with built in ROM sharer 2.04/1.3

AMIGA 600 Basepack now with X OUT game (LIMITED OFFER)

AMIGA 600 20HD The Epic pack 20 Mb Hard drive, Epic, Rome, Myth, & Trivial Pursuit, Dictionary, Language Lab & D. Paint 3

The A600 Wild, Weird & Wicked
inc Micro Prose Grand Prix, Deluxe Paint 3, Putty & Pushover

A600 DELUXE..............
A600 20HD DELUXE....
inc. ROM sharer with 1.3 & 2.05 ROM's making incompatibility a thing of the past. The A600 HD Deluxe comes with a Built in 20 Mb hard drive for a 2 Mb 600 Deluxe!!

PRIMA A1200 REAL TIME CLOCK

at last now you can date and time stamp your files
Fits directly onto the motherboard with no soldering.
only £17.99!

A600 & 1200's with built in Hard Drive plus HD kits for A600/1200's

for Real Time Clock!

HD KIT	A600	A1200
20Mb......*	....	....
60Mb....*	......	....
80Mb....*	......	....
127Mb..*	......	....
210Mb..*	......	....

*Just Add £15.00 for fitting

All Amiga's come with Workbench, mouse & 12 month warranty. The A600's, A1200 & A4000 come with 12 months on site warranty All 1200/600's also come with a built in integral hard disk option.

THE AMAZING ZOOL PACK!

ZOOL (97% Amiga Computing, Nov 92)
STRIKER (94% CU Amiga, June 92),
PINBALL DREAMS (94% AUI, Sept 92)
TRANSWRITE word processor
with any AMIGA!

CDTV MULTI MEDIA PACK

Complete with CDTV, Keyboard, Mouse, disc drive Fred Fish & Workbench 1.3

CD Rom Amiga A570

Turns your Amiga 500 into a CDTV. Includes Fred Fish, CDPD disk & Sim City
now only £143.99!

CDTV 65 Mb Hard Drive..............
CDTV keyboard..........................
CDTV mouse/joystick interface......

PRINTERS

All our printers are UK spec.
Canon CITIZEN FUJITSU HEWLETT PACKARD STAR

All our printers come with ribbon/toner, printer drivers (if available), paper & cables!!

CANON

NEW! Canon BJ10sx.......£224.99
Laser quality output. Larger buffer than the StarSJ48Canon/Star bubblejet cartridges.........£17.99
NEW! Canon BJ200......£329.99
wide carriage version of above
NEW! Canon BJ230.......£379.99
3 page a min speed, 360 dpi, small footprint & 80 page sheetfeeder
Canon BJ300...........£419.99
Desktop bubble jet with laser quality
Canon BJ330...........£464.99
Wide carriage version of the BJ300
BJ10 Autosheetfeeder...£52.99

CITIZEN NEW LOW PRICES!

Citizen printers have a 2 year guarantee
NEW! Citizen Swift 90 Col. £175.99
Excellent value 9 pin colour. Highly recommended
NEW! Swift 240 Colour....£272.99
24 pin, 240cps draft, 10 fonts, quiet mode, 240cps.
NEW! Swift 200 Colour.£224.99
Same out put as the 240 but with less facilities
Automatic Sheet feeder..£79.99

FUJITSU

12 month onsite included except DL-1150 (12 month B T Base)
Fujitsu DL-1150 Colour.£274.99
24 pin, 10 fonts, 200 CPS
Fujitsu Breeze 100........£219.99
ink jet, draft & LQ mode, BJ10EX beater
Fujitsu Breeze 200 ink jet.....£309.99

HEWLETT PACKARD

HP Deskjet Portable..only £369.99
New! HP510 mono.now £319.99
HP 500 Colour........now £419.99
HP 550 Colour........now £644.99
4 times faster than the HP500C!!
HP500 mono cartridges...............£14.99
Double life 500 cartridges............£24.99
All HP printers come with a 3 year warranty

STAR

StarLC20.......................£137.99
180 cps draft, 45 cps NLQ, quiet mode and multi fonts, push button operation.
Star LC100 colour.........£159.99
9 pin colour, 8 fonts, 180 cps draft, 45 cps NLQ
Star LC200 colour.........£195.99
9 pin colour, 8 fonts, 225 cps draft, 45 cps NLQ, A4 landscape printing.
NEW! Star LC24-20 MKII.....£229.99
24 pin quality, 210 cps draft, 67 cps LQ, 39K buffer expandible to 48K, 10 fonts and quiet mode.
Star LC24-200 colour.£269.99
Colour version with 30K buffer expandable to 62K
Star SJ48 Bubble jet.......£219.99
Laser quality, ultra quiet, Epson compatible & portable
Star SJ48 Autosheet feeder...£49.99

Laser Printers

on-site warranty standard
Fujitsu VM800 Laser......£679.99
8 pages per minute, HP emulation, multi font, 300Dpi
HP Laserjet 4L...............£599.99
1Mb RAM, 4 ppm, small footprint
Panasonic KXP-4410.....£514.99
5 page laser, mult font, 512k memory, HP emulation, 300Dpi
Ricoh PCL5......................£809.99
400 Dpi, 2Mb RAM, 5Page per minute
add just £114.99 for 2 Mb of extra RAM
Star Laserjet LC5..........£609.99
5 page laser, HP emulation, multi font, 300Dpi

FIRST EXTRAS PACK

All the essentials required for the first time buyer & at a bargain price!! Comprises:

- Top quality microswitched Powerplay Cruiser joystick
- Mouse Mat
- Dust Cover
- 10 high quality Blank Disks
- Plus 3 games!

only £29.99

MONITORS

All our monitors are UK spec. All monitors come complete with a free Amiga lead

PHILIPS CM8833 MK2 Colour
Colour stereo monitor. 600*285 line resolution, green screen facility, one years on site maintenance.
now with Lotus Turbo Esprit!! UK Spec.

PHILIPS TV Tuner for the 8833.....

Commodore 1084ST Colour
features built in tilt & swivel stand this new colour monitor from Commodore is outstanding value

MITAC SVGA .28 dp Colour monitor with overscan
The PRIMA monitor has a high quality Super VGA resolution. Includes overscan facility, .28 dot pitch.& tilt/swivel stand.

PHILIPS BRILLIANCE 7CM3209 SVGA .28 dp

COMMODORE 1940 Dualsync, .39 dpi
COMMODORE 1942 Dualsync, .28 dpi
COMMODORE 1960 multisync, .28 dpi

Microvitec Multisyncs
all Microvitec monitors come with a 3 year warrenty
14".......................................
20".......................................

SPECIAL OFFERS ON ACCESSORIES with monitors
TILT & SWIVEL STANDS.........................
14" MONITOR COVERS...........................

SUPRA MODEMS

The Supra-Fax Modem V.32 bis (14400 baud !!!)
Allows you to send and receive fax messages. This new modem from Supra has full 14400 baud capability. Spec includes V.32bis, V.32, V.22bis, V22, V21, MNP2-5, V42, V42bis, Class 1 & 2 commands, 9600/14400 Group 3 Fax. Includes free comms software and modem cable

including heavy duty PSU

Supra Fax Plus
With the ability to send faxes! Even faster than the standard 2400 from Supra with auto dial & auto receive. Hayes comp. V22b, V42 Bis, MNP 2-5 & auto adjust to maximise transmission speeds. Includes free modem cable & comms s/w!!

GP FAX SOFTWARE if bought with modem

Get on line using this great value fast modem with auto dial & receive. 2400 baud Hayes comp, V22 BIS. Inc modem cable & comms s/w!!

All Supra Modems come with a 5 year warranty!!
Supra modems are not BABT approved

US ROBOTICS

Sportster 14400 FAX Modem ....
Courier HST 16.8k Dual Standard.....
5 year warranty and FULLY BABT Approved !!

PACE MODEMS

MicroLink V22b FAX......
MicroLink V32b FAX......
5 year warranty and FULLY BABT Approved !!

PRIMA A500 & A600 RAM

3 YEAR WARRANTY!!

	A500P	A600
Unpopulated	only £16.99	£23
Populated to 512K	only £19.99	£36
Populated to 1 Mb	only £28.99	£33.99

NEW!!

2 Mb A600 OR A1200 RAM card....£114.99
4 Mb A600 OR A1200 RAM card....£179.99
AMIGA A500 512K RAM by PRIMA
for the original 1.2/1.3 AMIGA..only £13.99

32 BIT RAM (for A4000 etc)

1 Mb SIMM....£35.99
4 Mb SIMM....£142.99
8 Mb SIMM....£259.99

RAM & CUSTOM CHIPS

Motorola 68882 (25Mhz)....£99.99
Motorola 68882 (33Mhz)....£119.99
Motorola 68882 (40Mhz)....£POA
Motorola 68882 (50Mhz)....£POA
1mb by 8/9 SIMMS (3 chip).£29.99 per Mb
4 Mb by 9 SIMMS....per 4 Mb £124.99
1 Mb by 4 DRAMS....per 1 Mb £42.99
1 Mb by 4 ZIPS....per 1 Mb £39.99
256 by 4 DRAM (DILs)
4+ (512K)....now only £3.99
8+ (1Mb)....now only £3.94
16+ (2Mb)....now only £3.89
Kickstart 1.3....£27.99
Kickstart 2.04....£35.99
Fatter Agnes 8372A....£43.99
Super Denise....£26.99
6571-0326 Keyboard controller....£13.99
CIA 8520A I/O controller....£13.99

MICROBOTICS RAM

The MBX1200 CO-PROCESSOR & RAM BOARD for the A1200

Realise the full potential of your A1200 with this trapdoor expansion

68881 14MHZ....£119.99
68882 25MHZ....£169.99
68882 50MHZ....£507.99
1mb 32 bit fast RAM....£35.99
2mb 32 bit fast RAM....£97.99
4mb 32 bit fast RAM....£142.99
The RAM boards can only work with the use of the Co-Pro board

SUPRA RAM

Simply the best! Fits onto the side expansion port Auto configures with no software patching.

When 256*4 ZIPS are used, the Supra RAM can only be populated up to 2 Mb without replacing with 1 Mb by 4 ZIPS.

8Mb pop to 1Mb....£119.99
8Mb pop to 2 Mb (256*4zips)....£144.99
8Mb pop to 2 Mb (1Mb*4 zips)....£159.99
8Mb pop to 4 Mb....£214.99
8Mb pop to 8 Mb....£319.99
8Mb pop to 2 Mb for 2000/1500 range..£149.99

GVP GVP HARD DRIVES

AMIGA A500 HARD DRIVES

GVP Series II HD8+ 42Mb....only £247.99
GVP Series II HD8+ 80Mb....only £347.99
GVP Series II HD8+ 120Mb....only £397.99

A500 GVP Combo's

A530 Combo 40MHz/42Mb HD..only £475.99
A530 Combo 40MHz/80Mb HD..only £569.99
A530 Combo 40MHz/120Mb HD..only £665.99
A530 Combo 40MHz/213Mb HD..only £759.99
68882 Co-Processor Kit for A530..only £214.99
32 bit 60ns 1Mb SIMM for Accelerator..only £64.99
32 bit 60ns 4Mb SIMM for Accelerator..only £179.99

1500/2000 Hard Drives

Impact Series II HC8+ with 42Mb HD..only £289.99
Impact Series II HC8+ with 80Mb HD..only £339.99
Impact Series II HC8+ with 120Mb HD....only £409.99

All GVP products come with a full 2 year warranty

POWER SCANNER V3

With the latest version 3 software for bright & sharp grey scale performance. Flexible scanned image display manipulation options, plus Clean up, embolden, resize & flip.

on demo

Colour version

EPSON GS6500 COLOUR FLATBED

phone for details & demo

MICE & TRACKERBALLS

NAKSHA MOUSE....

with Operation Stealth, mouse mat, holder and 2 year warranty, 290 DPI.

Golden Image Mega Mouse

Alpha Data Optical Pen Mouse

Axelen Optical Mouse (300DPI)

Golden Image optical mouse

Zydec Trackerball

Golden Image Crystal Trackball

DISK DRIVES

Prima 3.5"

1 meg high quality external drive at a great low price.

Roclite 3.5"

super slim Roclite. Best review for disk drives in Amiga Format. Now with built in virus checker and anti click device!

Cumana 3.5"

1 meg external drive. The best name in disc drives now at a great price.

OPALVISION

24 bit graphics card & video system for the 1500 2000/3000/4000. Includes software bundle

or with Imagine 2!

GENLOCKS

GVP Genlock....

features professional SVHS output

Rocgen Plus....

Includes dual control for overlay and keyhole effects, extra RGB pass thru

Rendale 8802 FMC..

ROCGEN ROCKEY

For creating special effects in video production with genlocks

EMULATORS

Vortex Golden Gate 386

This is a PC 386-25SX Bridgeboard running at 25 MHz

Vortex Golden Gate 486

This is a PC 486-25SX Bridgeboard running at 25 MHz

Vortex ATOnce+ 286

286 emulator now with 16Mhz clock speed.

ROCHARD DRIVES

ROCTEC A500 CONTROLLER CARD

Very similar in style to the GVP HD8+ but without a hard drive so you can fit your own. Expands to 8Mb of RAM using SIMMS....

ROCTEC 42Mb....
ROCTEC 80Mb....
ROCTEC 120Mb....
ROCTEC ROCMATE..

ROMBO DIGITISERS

New! VIDI 12 Real Time.£138.99

Real time colour digitizing from any video source. full AGA support

New! VIDI 24 Real Time.£229.99

24 bit quality real time colour digitizing from any video source. Full AGA support

New! VIDI 12 AGA....£74.99

Fully support for AGA chipset Colour images captured in less than a second, mono images in real time with any video source. Multitasking s/w, cut & paste.

VIDI 12 AGA with built in Megamix Master....only £98.99

TAKE 2....£37.99

Features include load and save from D. Paint animations and IFF files. Supports HAM graphics.

Megamix Master....£29.99

8 bit, high spec. sampler. Special effects include echo that can be added in real time, fully multitasking & easy to use.

PRIMA ROM SHARERS

This high quality ROM sharer features a flexible ribbon connection so that it can be positioned anywhere within your A500 Plus or A600. Full 2 year replacement warranty

now only £19.99 or £27.99
for keyboard switchable version

ACCELERATORS

MICROBOTICS

New M1230 for A1200 with up to 128 Mb fast RAM!

M1230 XA 40Mhz, 0Mb....£264.99
M1230 XA 40Mhz, 2Mb....£339.99
M1230 XA 40Mhz, 4Mb....£419.99
M1230 XA 40Mhz, 8Mb....£549.99
M1230 XA 50Mhz, 0Mb....£339.99
M1230 XA 50Mhz 2Mb....£419.99
M1230 XA 50Mhz, 4Mb....£489.99
M1230 XA 40Mhz 8Mb....£629.99

GVP

A1230/0Mb RAM for A1200 only £284.99
A1230/1Mb RAM for A1200 only £384.99
1500/2000 G-FORCE 030-25MHz with 4Mb 32 bit RAM....only £475.99
G-Force 030-40MHz with 4Mb 32 bit RAM only £729.99

ACCESSORIES

Real Time A1200 internal clock module....only £17.99
Mouse/joystick manual port switcher....only £13.99
Computer Video Scart Switch....only £19.99
2/3/4 way Parallel port sharers £POA
Amiga Sound Enhancer Plus by Omega Projects. Hear the Amiga's sound like you've never heard it before! ...only £36.99
QUALITY MOUSE MATS....£3.99
20 CAPACITY DISK BOX....£2.99
40 CAP LOCKABLE DISK BOX....£4.99
100 CAP LOCKABLE DISK BOX....£6.99
*90 CAP STACKABLE BANX BOX....£9.99
*150 CAP STACKABLE POSSO BOX....£16.99
*add £3.00 delivery if purchasing just one Posso or Banx box. Free delivery when purchased with other product or when buying 2 or more.
AMIGA A500 DUST COVER....£3.99
AMIGA 600 COVER....£2.99
14" MONITOR DUSTCOVER....£6.99
12" MONITOR DUSTCOVER....£5.99
AMIGA TO SCART CABLES....£9.99
STD 1.8 METRE AMIGA PRINTER LEAD....£4.99
MODEM AND NULL MODEM CABLES....£9.99

AMIGA CONTROL STATIONS

A500 or 1200 VERSION....£39.99
A600 VERSION....£31.99
PRINTER STATION....£28.99

DISKS

All disks are 100% error free guaranteed
New High density 3.5 inch bulk and Fuji branded
Please phone for best prices!

QTY	3.5" Bulk	OR FUJI BRANDED
10	£4.99	£6.99
30	£14.99	£17.99
50	£21.99	£28.99
100	£39.99	£54.99
200	£73.99	£99.99
500	£169.99	£POA
1000	£339.99	£POA

Branded disks come complete with labels
Disk Labels....500....now only £6.99
Disk Labels..1000....now only £9.99

SOFTWARE

PD IN STOCK

Gold Disk Office U.K.spec
Home Accounts 2
Maxi Plan 4
Mini Office
PERSONAL FINANCE MANAGER Plus

PLATINUM WORKS....
Excellent integrated business/office pack, with powerful 123 comp spreadsheet, word processor & database

6 Pack compendium....
inc. Kids Type, Weather Watcher, Calender Quiz, Words & Numbers, Game Set & Match + What is it? Where is it?
Childs Play talking word processor...
Gallery Multi-Media Dbase

A Talk comms Software
Distant Suns new version!
GB Route Plus
GP FAX Software

Audio Engineer
Audio Engineer Plus V2
Clarity 16 sampler
Deluxe Music Construction Set
Pro Midi Interface by Microdeal
Stereo Master
SUPER JAM
Techno Sound Turbo

Amos Creator
Amos Compiler
Amos 3D
Amos Professional
DEVPAC3
Easy AMOS
SAS C Language Version 6

AMIBACK
AMIBACK TOOLS
AMIBACK PLUS TOOLS BUNDLE

AMIGA RELEASE 2.04 UPGRADE KIT
Complete with: Kickstart 2.04 CHIP, Workbench 2.04, Install, Fonts & Extras disks full manual set

AMIGA Release 2.1 software upgrade
Cross Dos V5
Directory Opus 4
Giga Mem
QUARTERBACK V5
Latest version of this Fast & Famous hard disk backup utility.
Quarterback Tools
Xcopy Pro inc. hardware

with Digi-View Gold, Digi-Paint 3 & Elan Performer

37 Compugraphic fonts Vol 1, 2, or 3 by GT.
Adorage (creates special video effects)
Art Department Pro 2.23
ART EXPRESSIONS....By Soft Logic
BRILLIANCE ....Pro. paint and Animation
CALIGARI 24 ....3D Design and animation
Deluxe Paint 4 AGA
EXPERT DRAW
EXPERT 4D JR
Flexidump printer utility
Imagine V2
Make Path for Vista
Morph Plus
Personal Paint
Real 3D Classic
Real 3D V2
Scala 1.3
TRUE PRINT/24
VIDEO DIRECTOR
VIDEO MASTER
Vista Pro 3 (2 Mb required)

FINAL COPY 2 (UK) RELEASE 2
built in outline fonts, full graphics import (IFF and HAM), UK thesaurus, spelling checker & much more.
KINDWORDS V3
PENPAL 1.4
Best selling feature packed word publisher with database.
PAGESTREAM 2.2 U.K. version

PAGESETTER 3
Personal Write ....Postscript compatible.
HotLinks
PRO PAGE PROFESSIONAL V4
Protext 4.3 W/P
Prowrite 3.3
THE PUBLISHER DTP
TYPESMITH, FONT EDITOR
WORDWORTH 2 AGA



These are the nine beauties on review, and over the next few pages we'll tell you which speed machine is best for you, depending on what machine you have, how much you want to spend and any extras you may need.

What have Paul Newman, James Dean and **Richard Baguley** got in common – a need for speed that's what. OK, Rich doesn't want to hurl round Daytona at 200mph, instead he's taking nine Amiga accelerators for a group test over the next four pages...

Go faster stripes

ALTHOUGH YOU MAY think that your trusty Amiga is fast, the truth is that it could get faster. If you're involved in processor-intensive tasks like ray tracing or desktop publishing, anything that cuts down on the several hours that images can take to render, or the long time spent waiting for the screen to redraw your latest DTP document are welcome.

Accelerators work by replacing the CPU (Central Processor Unit) with a faster or newer model, which can carry out the same operations faster and more efficiently. Many also come with a FPU (Floating Point Unit), which is a chip specially designed to do floating point maths extremely quickly.

We have set up a variety of tests to see what sort of speed increase you can expect from these cards. These include rendering an image in *Imagine*, drawing a *Vista Pro 3* scene, and redrawing a page in *ProPage 4* which included Compugraphic fonts and a piece of *ProPage* clip art. The *AIBB* program is then run to measure the speed increase of the cards, which gives three figures showing the performance increase with integer mathematics, graphics handling and floating point maths.

To determine each card's value for money, we add the three *AIBB* performance figures and divide the total by the cost of the card, giving you an idea of what sort of performance increase per pound you get. This gives some interesting results, but bear in mind the price of a card when using this figure, because it's foolish to expect a faster 68000 to out perform a 68040-based model.

So, as you'd expect, the main consideration when you're looking for an accelerator is speed and how many times faster your machine is going to be after spending all that money and fitting the accelerator.

Unfortunately, it's not that simple. Many cards also come with other extras, such as SCSI (Small Computer Systems Interface) for attaching hard disks, tape streamers and flatbed scanners or custom slots for adding other peripherals such as graphics cards. This will obviously affect the price of the card, so these accelerators are indicated with an asterisk (*) after the price performance ratio.

When you're looking for an accelerator to buy, don't forget that you'll need some extra memory to make the most of its extra power, since most accelerators have to slow down to talk to the memory already fitted inside your Amiga. How much memory should you buy? As much as possible...

Acceler

ALTHOUGH THE A500 has been overshadowed by the newer Amigas, there are still several million in use around the world, and accelerating them to catch up with the newer models is still a realistic option. Plus, the prices of accelerators have been falling over the past few months as more people move on to the A1200 and A4000. So, which accelerator is the best?

CSA DERRINGER

AVAILABLE FROM: OMEGA PROJECTS 0942 682203

£349.99 (25Mhz CPU and Co-Pro, 1Mb memory)
£599.99 (50Mhz CPU and 25Mhz Co-Pro, 1Mb Memory)
£799.99 (25Mhz CPU and 50Mhz Co-Pro, 4Mb memory) – model reviewed
Price/Performance ratio: 41



The Derringer fits into the 68000 socket inside the A500, and doesn't take up any of the expansion slots.

This accelerator is basically an updated version of the Mega Midget Racer, which was favourably reviewed way back in *AF*18. It's based around a full 68030, running at either 25 or 50Mhz. A co-processor can also be fitted, running at a different speed.

The board fits inside the A500 case, sitting in the 68000 socket. This chip is then reseated on the board, and you can reboot with the 68000 in control by running a program that's provided with the board. Also included are a couple of utilities, and a small patch program which must be put into the start-up sequence to add the 32-bit memory to the system. This is in the form of a single SIMM (single In-line Memory Module), fitted in a single slot on the edge of the board, so you can add a maximum of 8Mb of 32-bit fast memory to the system.

As with most of the other cards, a program designed to be put into the start-up sequence sets up various options for the card, including adding the memory to the system and copying the kickstart ROM into 32-bit memory. Software is also supplied to test the RAM, check the speed increase and to reboot the machine with the original 68000 in control.

This is a well built board, and has performed very well in our tests, understandably only falling behind, the GVP A530 and the Progressive 040 card. It co-operates well with other peripherals like external hard disks, and is a good way of speeding up your A500.



85%

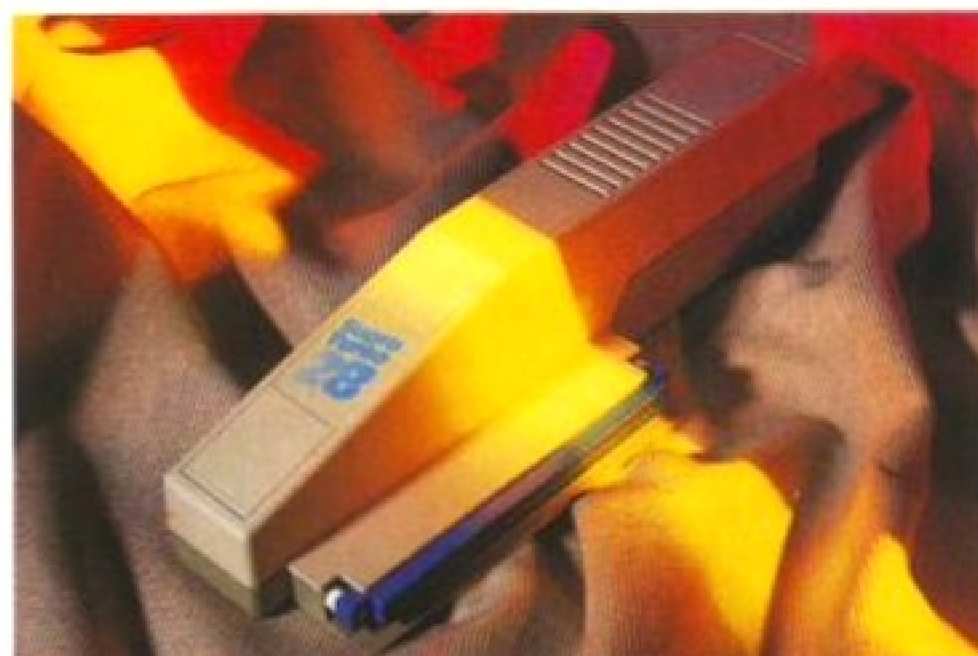
ating the A500

TURBO 28

AVAILABLE FROM: FIRST CHOICE COMPUTER CENTRE 0532 319444

£129.99

Price/Performance ratio: 77



Supra's new Turbo 28 fits into the expansion slot on the A500, but includes a pass through port for hard disks.

This model is Supra's first venture into the world of accelerators. It's based around a 68000 running at 28Mhz, which takes control from the 7.14Mhz model fitted as standard to the A500. Although the rest of the machine still runs at the normal speed, the accelerator has a 16K memory cache which it can read data from at the higher speed. So, if you're running small programs or small sections of code, the processor can copy this to the faster memory, giving an apparent speed increase. It works with most programs, but if you come across any programs that don't like it (such as games), you can turn the accelerator off by either flicking a switch or running a program from Workbench which slows the processor down to normal speed. There's no need to reboot, and it's completely invisible to software.

This accelerator works with most peripherals, since it includes a through port for the A500 edge connector. However, it does have trouble with GVP hard drives with ROM versions prior to 3.12, because these drives attempt to transfer data directly to memory without informing the processor, which means that the processor's cache memory is not the same as the contents of the Amiga's memory. For these earlier models, a ROM upgrade will be needed. Models with later versions of the ROM will need the accelerator to be running at 7.14Mhz, but adding two extra lines to the start-up sequence will automatically turn the accelerator on.

The A500 version includes a pass through socket, allowing you to put it between the Amiga and the hard disk, and the A2000 version fits in the CPU slot inside the case.

If you're looking for an A500 accelerator and you are on a tight budget, this gives a decent speed increase for the price. However, if you can afford it, you'd be well advised to consider investing in another, faster card.



Verdict 80%

GVP A530

AVAILABLE FROM: SILICA SYSTEMS 081-309 1111

£499 (40Mhz CPU, 1Mb RAM, 42Mb hard disk)

£699 (120Mb)

Price/Performance ratio: 30*



If you're looking at buying an accelerator and hard disk, then look no further!

This offering from GVP is more than just an accelerator, it's an all-in-one expansion package for the A500. As well as the 40Mhz 68030 and optional 68882 FPU, it includes a fast SCSI controller and a choice of sizes of hard disk from 42Mb to a gargantuan 120Mb. We reviewed it in *AF*38, and awarded it 94 per cent and a *Format* Gold. Since then, the price has dropped significantly, and a 42Mb model now only costs £499.

Only 1Mb of memory is fitted as standard, and there are only two SIMM slots, which means that you will have to get rid of your existing SIMMs if you want to expand it beyond 2Mb. Up to 8Mb of RAM can be fitted by using 4Mb SIMMs.

Space for an FPU is built into the board, and this runs at the same clock speed as the CPU (40Mhz), and would give a significant speed increase with programs that use this chip. Further expansion is possible through a custom expansion slot, although the only thing presently available for this is a 286 PC emulator, which will only cost you £99.

GVP have promised further cards for this slot, but these have not yet appeared. Speedwise, it's second only to Progressive Peripherals' 68040 accelerator (next review). The only major criticism is when you want to use software that won't run with the 68030, you have to turn off the accelerator with the button on the front of the drive. The problem with this is that you also turn off all the expansion memory and the hard disk interface. An option to turn off the accelerator, but keep the hard disk interface going would have been nice, but there you go.

The A530 is an excellent way of expanding your A500 if you've not already invested in a hard disk or memory expansion, and the option of PC emulation for only 99 quid is worth considering. Give it a program that uses the extra power of the faster CPU and optional FPU, and it doesn't hang around either.



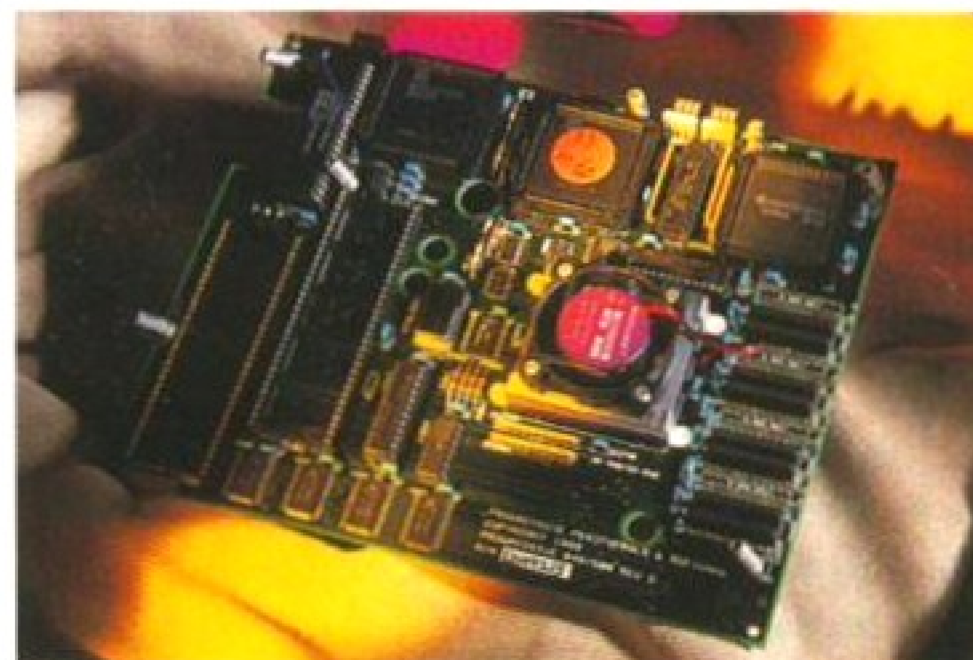
Gold 94%

PROGRESSIVE PERIPHERAL 'S 040-500

AVAILABLE FROM: MICRO-PACE – 0753 551888

£1,099

Price/Performance ratio: 71



Real speed freaks and A500 fans will be pleased to see that it's possible to fit a 68040 to a Vanilla A500.

This, not surprisingly, is the fastest of the A500 accelerators. It's also the most expensive. Based around a 35Mhz 68040, it gives vast speed increases when you're working in a ray trace or desktop publishing program. However, the raw power of the 68040 chip is rather held back by the rest of the machine, which still runs at the slower speed.

The board can hold either 4 or 8Mb of fast memory, in the form of ZIP chips soldered on to the board, so it's not really possible to expand it yourself, unless you're extremely handy with a soldering iron. The memory is automatically added to the system at bootup, although a couple of small patch programs are included to get the most out of the 68040. This is a rather large chip, and it does get very hot, so a small fan is fitted over it. This is powered from an extension to the floppy power cable, but it still gets rather warm after a couple of hours.

A Kickstart 2 ROM is also built on to the board, as you can't use a 68040 with Kickstart 1.3. You can switch back to Kickstart 1.3 and the 68000 (which is mounted on the board) by using a switcher program which is included, so you could use it as a very expensive ROM switcher if you wanted to.

This is very fast card, but for the price you could upgrade to a A4000/030. But if you're attached to your A500 and want to add a bit of zoom to the machine, this is the fastest A500 accelerator available on the market.

Although this is by a long chalk the fastest A500 accelerator on the market, there really isn't much point in spending this amount of money on an accelerator. After all, if you need the extra power of a 68040, you'll probably want to add things like 24 bit cards, and the A500 isn't the most expandable machine in the world.



Verdict 85%

Accelerating the A1200

THE A1200 IS fast compared to the A500, but its 14Mhz 68020 processor can't keep up with faster machines when performing processor intensive tasks. We look at the latest accelerators for one of the new Amigas.

STOP PRESS!
CSA's 12 gauge accelerator for the A1200 arrived too late to be included in this round-up, but there will be a full review of this next issue.

GVP A1230

AVAILABLE FROM: SILICA SYSTEMS 081-309 1111
£299 (0Mb RAM, no FPU)
£499 (4Mb RAM, 40 Mhz 68882 FPU)
Price/Performance ratio: 54

This was the first A1200 accelerator card, and GVP have an excellent reputation for producing quality equipment. It's based on a 40Mhz 680EC30, so it's fully functional, with the exception of the Memory Management Unit, but this is only used by a few specialist programs (like *Gigamem*), so it's no great loss. There is a metal shield fitted over the CPU, which also acts as a heat sink, although 68030's don't get very hot.

Memory expansion is via two SIMM sockets located on the same side of the board as the processor. 16Mb SIMMS are now available, but they are very expensive, and are only available by special request, as there's not a lot of demand for them. This memory is auto-configuring, so there's no need to run any programs to add into the system, and it will be available for any programs that need to boot from floppy.

A socket for an FPU is fitted on the board, but this can only be run at the same clock speed as the CPU (40Mhz). Included with the accelerator is the usual software for switching back to the 68020, copying the Kickstart ROM into fast memory and testing the memory and other aspects of the board.

GVP's offering in the A1200 boosting race is based around a 40 Mhz 68030 chip, with space for an FPU.



86%

MICROBOTICS MBX 1230XA

AVAILABLE FROM: INDI DIRECT 0606 43860
Price : £299.99 (0Mb, 40 Mhz), £499.99 (4Mb, 50Mhz)
Price/Performance ratio: 56

Microbotics' accelerator comes in two models, based on either a 40Mhz 680EC030 or a 50Mhz 68030. The review model has a 50Mhz 68030. It also includes a socket for a floating point unit, which can run at a different speed to the CPU.

A single SIMM socket is located on the underside of the card, taking one 32-bit SIMM, as found in the A4000. In theory, this could hold up to 128Mb of memory, but the biggest SIMM available at the moment is 16Mb, and this will cost you a small fortune.

With Workbench 3, this memory is not auto-configuring, and you need to run a program to add it to the system memory. However, this is no great problem, since all you need to do is drag a single Icon into the WBStartup drawer, and the memory will be added to the systemwhen your machine boots up.

With forthcoming newer versions of Workbench and Kickstart, this will no longer be necessary, but until then, any program that boots from floppy disk won't be able to access the extra memory held on the accelerator unless this software patch is run.

Speedwise, it has a definite edge over the GVP card as it's based around a 50Mhz 68030, as against the 40Mhz one in the A1230. However, there is a cheaper model from Microbotics based around a 40Mhz 680EC030.

There is also a socket for a 68882 Floating Point Unit, which can run at a different speed to the CPU, so you could fit a cheaper 25Mhz chip, or a more expensive 50Mhz model.


A 50 Mhz 68030 ensures the the 1230XA doesn't get left behind in the speed trials.



89%

FACTS AND FIGURES ON HOW THEY ALL PERFORM

This table includes all of the figures for the tests that we've carried out on this group round-up of accelerators. Check out the brief explanation of each of the tests at the bottom

	Vista Pro[1]	ProPage[2]	Imagine[3]	AIBB[4] Integer	Graphics	FP
A500	N/A	25	11.48	1	1	1
CSA Derringer	1.04	6	1.24	6.16	2.71	13.91
Progressive 040	25	3	0.30	21.68	3.41	53.4
Supra Turbo 28	N/A	9	3.59	3.02	2.42	4.69
GVP A530	N/A	7	1.33	8.76	1.99	10.27
A1200	N/A	14	4.59	2.66	4.05	3.04
GVP A1230	N/A	9		9.73	5.51	12.11
MBX 1230XA	55	5	1.12	10.59	5.80	11.89
A3000	59	5	1.31	5.85	2.77	13.12
GForce 040 (A3000)	29	4	0.37	11.81	3.21	40.60
GForce 040 (A2000)	26	4	0.25	19.07	3.39	42.95
Zeus 040	24	3	0.21	22.01	3.46	54.45

WHAT IT ALL MEANS...

1. The time (in seconds) to render a Vista Pro 3 scene, using shading and lighting. The appropriate version (IE: the FPU version for suitably equipped accelerators) was used.

2. The time (in seconds) taken to redraw a page in *Professional Page 4* which included compugraphic fonts and clip art images.

3. The time (in seconds) to render a simple *Imagine* scene, again using the FPU version where appropriate.

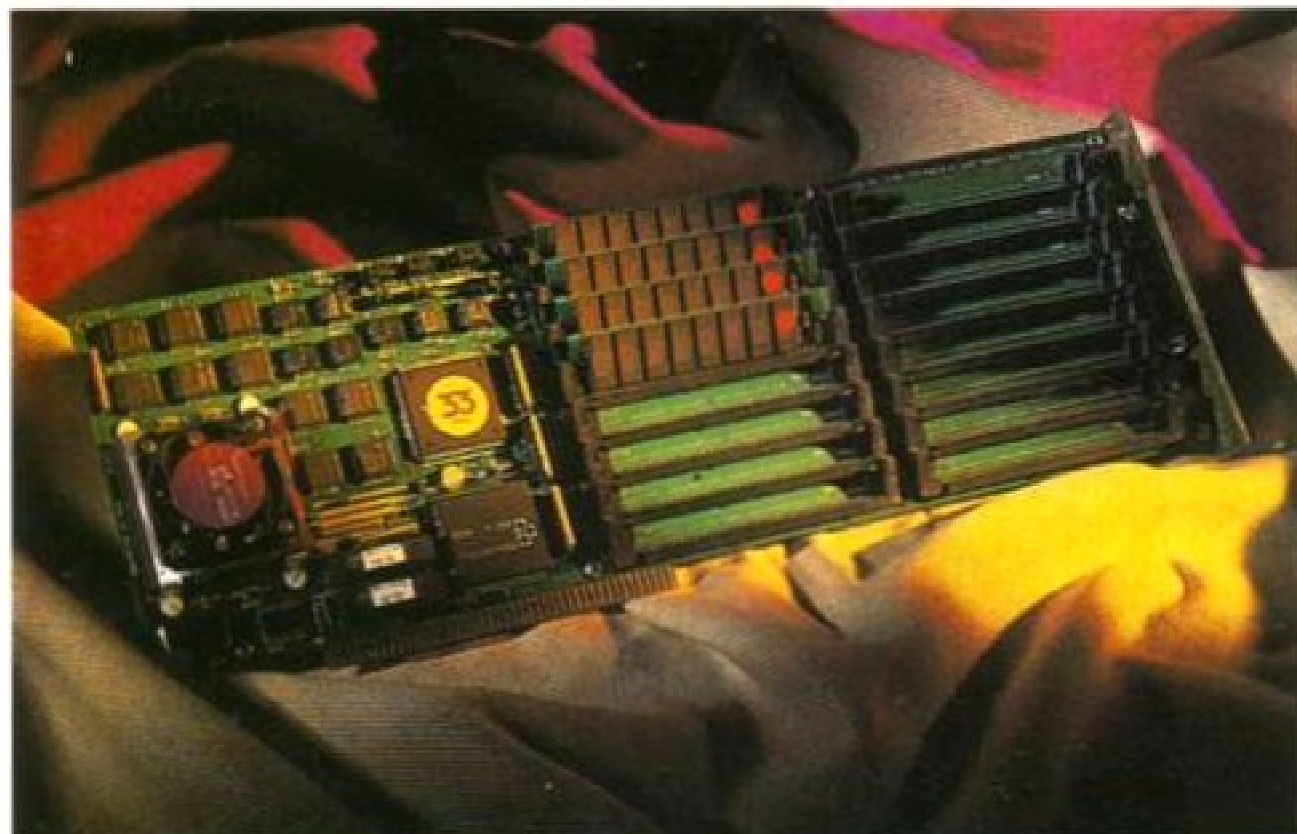
4. The amount of performance improvement in three categories, determined by tests run in the Pd speed testing program *AIBB*. The categories are Integer maths, graphics handling and floating point maths.

Accelerating the A1500, A2000 and A3000

AGA IS ALL very well, but if you're thinking of moving up to 24-bit graphics, an A1500, A2000 or A3000 is still suitable. However, an unexpanded A1500 will be extremely slow, and even an A3000 needs more power to really get serious with 16 million colour graphics. So, which accelerator would give you the greatest speed increase?

ZEUS 040

AVAILABLE FROM: MICRO-PACE UK (0753 551888)
£2,099 (16Mb RAM)
£1,199 (0Mb RAM)
Price/Performance ratio: 38*



The Zeus 040 is an excellent accelerator if you're planning a high power, high memory and high expense Amiga set-up.

This card is an all in one expansion for the A1500/A2000. As well as a 33Mhz 68040, it provides provision for up to 64Mb of memory, and a SCSI 2. It's the fastest of the boards for the big box Amigas, and the SCSI 2 is extremely fast, especially when used in conjunction with a SCSI 2 disk.

It fits into the CPU slot of the Amiga A1500 and A200, and has provision for attaching a hard disk on to the back of the card, so it won't take up any of your precious expansion slots..

This is the fastest card in the roundup. It's marginally faster than the GVP G-Force 040 card for the A1500/A2000, has better expansion capabilities (with the option to fit up to 64 Mb of memory), and has the extra speed of the SCSI 2 interface (as long as you're using a SCSI 2 drive). If you want to keep using your A1500/A2000, and are perhaps upgrading it to a 24-bit system by adding a card such as the Retina, OpalVision or Toaster, this is the one to go for.

This card is expensive, but it's an excellent all in one expansion for the A1500 or A2000. If you don't want AGA, this will give you a machine that can do complex number crunching, ray tracing and desktop publishing with one hand tied behind its back



Verdict 87%

G-FORCE 040 (A1500/A2000)

AVAILABLE FROM: SILICA SYSTEMS 081-309 1111
£1,299 (4Mb RAM)
Price/Performance ratio: 50*



The G-Force 040 includes an extra serial port, which could be useful if you're running a BBS.

This GVP manufactured card is based on a 68040 running at 33Mhz, with a SCSI controller built in. This card is also unique because it includes an extra parallel and serial port, which can be accessed directly by the CPU, for very high speed data transfer. It's not as fast as the Zeus, but it's by not slow. Memory expansion is by four SIMM slots, which can hold up to 64Mb of memory using GVP's own custom 16Mb SIMMs, but to put it to this capacity would cost a significant sum.

Also included on the board is a custom GVP expansion slot, designed to hold its own 24-bit graphics card. Unfortunately, this has not yet been finished, and it's the only thing which could use this slot.

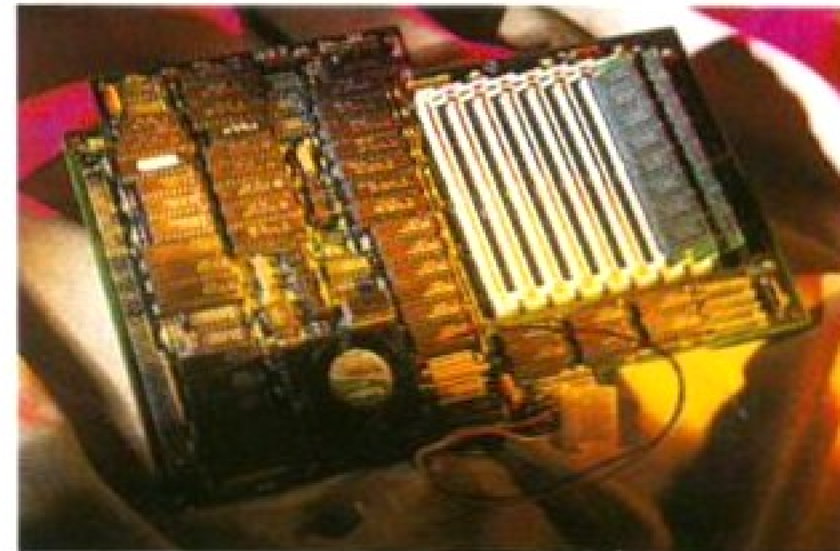
A good combination of accelerator and hard disk interface, although it's slightly slower than the Zeus. The extra serial and parallel ports could be useful. It is cheaper than the Zeus, and is definitely worth considering if building a professional system.



Verdict 85%

G-FORCE 040 A3000

AVAILABLE FROM: SILICA SYSTEMS (081-309 1111)
£1,499
Price/Performance ratio : 37



The A3000 is already a pretty nippy machine, but with one of these fitted, it flies like a swift.

This is the only A3000 accelerator in this round-up, since it's already a fast machine. Based on a 28Mhz 68040, it fits in the fast slot on the motherboard. Memory is added via eight SIMM slots, allowing a maximum of 8Mb to be fitted. Fitting the card is a pain because of the design of the A3000, not the card. To fit the card, you need to remove any expansion cards, disconnect both hard and floppy disks and disconnect the power supply from the motherboard. Fortunately, it's not an operation you need to carry out often, since software is included to switch back to the original 68030.

The 68040 chip gets hot, but a fan is fitted. Even with this running, the board gets hot after several hours of use. However, it still works flawlessly, and was used extensively to produce this month's ray traced cover images.

It does give the A3000 a boost speed wise, but it's not as fast as many A2000 accelerators. At this price you may be better off moving on to an A4000.



Verdict 80%

CHIP CHAT

All the accelerators here use an improved variety of CPU (Central Processor Unit), which is the brain of your Amiga. So what do all these numbers mean?

68000 – The chip the A500, A1500 and A2000 are based on. It usually runs at 7.14Mhz, though models which run at a faster clock speed are available (as in the Supra Turbo 28). In its day it was fast, but in compared to the Motorola's newer chips, it's very slow.

68010 – Slightly improved version of the 68000, which runs programs about 10 per cent faster with no alteration to the clock speed. No accelerators use this, as it's not really worth the extra expense of fitting one.

68020 – Used in the A1200, running at 14.28Mhz. Although the clock speed is doubled, the performance is improved by three to four times by a redesign of the chip, and the way it carries out the program's instructions. Also includes an instruction cache (small bit of memory built into the CPU) so for small programs or loops within programs, the processor doesn't have to get the next instruction from the RAM memory of the Amiga, which speeds things up yet again.

68030 – Used in the A4000/030. This is an enhanced version of the 68020, which runs at faster speeds (up to 50Mhz) and includes a data cache and an instruction cache. Again, the chip was slightly redesigned to speed up the processing of instructions.

68040 – Used in the A4000/040. Another complete redesign produced this chip, which includes 4Kb of data and instruction caches, a built in FPU (Floating Point Unit) which handles maths calculations. This chip gets hot, so has a fan.



COMPUTER WORLD

Free FAST! UK DELIVERY • SAME DAY DESPATCH* • All prices INC. VAT

COMPUTER WORLD-WORKING TOWARDS BRITISH STANDARD BS 5750 FOR QUALITY & SERVICE

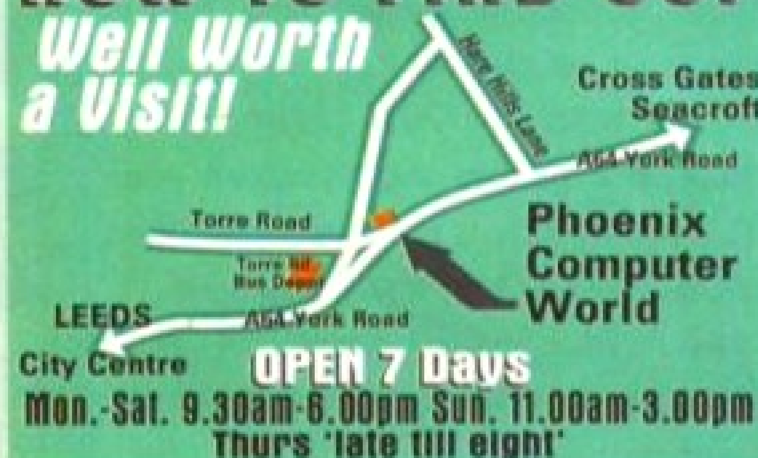
800 sq.ft. SHOWROOM

TOP NAME BRANDS AT LOW-LOW PRICES

FREE EASY CAR PARKING

EASY ACCESS FROM M1 M621 M62 A1

HOW TO FIND US!



OPEN 7 Days
Mon.-Sat. 9.30am-6.00pm Sun. 11.00am-3.00pm
Thurs 'late till eight'

HOW TO ORDER

For Customers not able to visit our Showroom we offer one of the fastest and most complete mail order services available.

Next day delivery only £5.00
2 day delivery £3.50

To order by phone:
0532-350091
Quoting your Credit Card No.



By Post to:
PHOENIX COMPUTER WORLD, UNIT 2, YORK TOWERS, 383 YORK ROAD, LEEDS LS9 6TA.

Please make cheques payable to Phoenix. Allow 5 working days for cheque clearance.
*Same-Day Despatch on Credit Card Orders/ bankers draft/ building society cheque/Postal orders.

Customer Care/General Enquiries
0532-350652
FAX: (0532) 350702

E&O.E.*

AMIGA 4000

This has got to be the greatest development to the Amiga since its conception in 1985. The 4000-030's are packed full of features and truly represent a milestone in design and value for money from C.B.M.

WHAT YOU GET! • 68030ec processor • 25Mhz clock speed • Optional Chip and Fast RAM configurations (expandable to 16 Mb on mother board, 2 gigabyte max • 9 interfaces • 4-16/32 bit Zorro III expansion slots • 80/120 hard disk and lots more!!

STAR BUY

WHAT YOU PAY

A4000-030 with 80/120Mb HD Memory options

	Chip RAM	Fast RAM	
A4000-030 80Mb	1	1	£959.99
A4000-030 80Mb	2	0	£959.99
A4000-030 80Mb	1	0	£1019.99
A4000-030 80Mb	2	4	£1069.99
A4000-030 120Mb	2	2	£1160.99

All the above include FREE next working day delivery.
Prices are correct at the time of going to press

NEED EXTRA FAST RAM?

NOW AVAILABLE!! 32-Bit Memory Modules
1 Mb ....£36.99 4 Mb £139.99
8 Mb £299.99
FPU's 25 Mhz/50 Mhz..........£POA

AMIGA 1200

FEATURES INCLUDE: 68020 Processor Running at 14 Mhz • 2Mb Chip RAM (expandable) 256 colours on screen from a 16.8 million colour palette • Full Amiga Key board (with Alpha numeric key pad).

CW PRICE £369.99

A1200 HARD DRIVE UPGRADE PACKS

All 2.5" IDE Hard disks offer ultra fastaccess time and are supplied from leading manufacturers such as western digital/seagate. Pack also includes cable screws and software.

40Mb pack...£119.99 60Mb pack...£169.99
80Mb pack...£199.99 120Mb pack...£294.99
1 year warranty on all models!!

GVP A1230 Turbo +....£289.99
INCLUDES: the 40MHz 68030ec-accelerator chip, optional 40MHz fpu (68882) - up to 32 Mb

GVP A1230 4Mb + Co Pro
INCLUDES: the 40MHz 68030ec-accelerator chip, 40MHz fpu (68882) - up to 32 Mb for the most hungry applications, simply awesome!! (Both on demo)
CW PRICE £479.99 STAR BUY

Memory 32-bit
1 Mb.......£65.99 4Mb.......£179.99
16Mb ....£POA

A1200-PCMCIA FAST RAM EXPANSION

Credit card memory now available
2Mb.......£114.99 4Mb.......£169.99

POWER-PC 1204 4Mb

Memory expansion for the A1200, features include: Zero wait state • Optional Ultra fast FPU (50Mhz) • Real time battery backed clock • Low power • Optional FPU disable switch

PC 4 Mb *(no FPU)*..........£185.99
PC 4 Mb *(20 Mhz 68881 FPU)*..........£259.99
PC 4 Mb *(25 Mhz 68882 FPU)*..........£279.99
PC 4 Mb *(33 Mhz 68882 FPU)*..........£289.99
PC 4 Mb *(40 Mhz 68882 FPU)*..........£299.99
PC 4 Mb *(50 Mhz 68882 FPU)*..........£339.99
includes real time clock

A 1200 ACCESSORIES

CW A1200 real-time clock *easy to fit 1 yr warranty* £15.99
CW A1200 600 HD prep disk..........£13.99
Control Centre *(inc. FREE cables)*..........£36.99
Dust Covers..........£5.99
Multi-Sync Monitor adaptor cable..........£12.99

NEW A1200 ACCELERATORS STAR BUY

The Microbotics M1230XA is available in a 40Mhz version & a 50 Mhz inc memory management unit. This peripheral can expand up to 128 Mb of FAST 32-bit memory. Existing MBX users can transfer their current memory and fpu and includes real-time clock

M1230XA 40 Mhz 0Mb £269.99
M1230XA 40 Mhz 2Mb £349.99
M1230XA 40 Mhz 4Mb £428.99
M1230XA 40 Mhz 8Mb £569.99
M1230XA mmu 50 Mhz 0Mb..........£349.99
M1230XA mmu 50 Mhz 2Mb..........£428.99
M1230XA mmu 50 Mhz 4Mb..........£499.99
M1230XA mmu 50 Mhz 8Mb..........£642.99

A 570 CD-ROM

Long awaited, superb performance, tempting but too expensive-NOT ANY MORE!!!! This excellent interface for A500/500+ owners is now at a price that YOU can afford. Use it to exploit stunning software packages or simply to listen to your favourite tunes

WHAT YOU GET !!! • A570 CD ROM • Fred Fish Disks 1/660 • Sim City. *NB you need at least 1Mb of chip ram check with telesales before ordering*

WHAT YOU PAY £149.99

AMIGA'S

'CARTOON CLASSICS PACK'

It's Back and it's bad - the pack they tried to kill returns for its final mission - don't miss this golden opportunity to acquire one of the best ever home computers, features include: 1 Mb of RAM Workbench 2.04 • TV modulator • Lemmings • Captain Planet • The Simpsons • Deluxe Paint III
CW PRICE..........£194.99

'THE WILD, THE WEIRD & THE WICKED'

1 Mb A 600 as standard and includes the excellent value Software titles: Deluxe Paint III • Formula One Grand Prix • Putty • Pushover
CW PRICE.......... REDUCED! £224.99!
A 600 2Mb *(incl. above software)*.......... £264.99
A600 Base Pack..... NEW! £194.99
A 600 2Mb *(incl. above software)*..........£234.99

'EPIC • LANGUAGE PACK'

1 Mb A 600 as standard and includes 20MB HARD DRIVE the excellent value Software titles: Deluxe Paint III • Trivial Pursuit • Epic • Myth • Rome
CW Price .... REDUCED! £359.99!
A 600 2Mb+20 Mb Hard Drive £399.99
(both include the above detailed software)
EXTRA MEMORY-Only £39.99 per Mb.

MONITORS

All monitors are supplied with a FREE cable for connection to your Amiga.

NEW **WHAT YOU GET !!!** STAR BUY

COMMODORE 1942 14" Monitor
Ideal for A1200/4000 • AGA • 28mm Dot Pitch • Tilt 'n' swivel stand • Built-in Stereo Speakers • Works with ALL Amigas in most resoloutions • 1 yrs on-site warranty
WHAT YOU PAY £379.99

COMMODORE 1940 14" Monitor
Specification as above, but this one has a 39mm dot pitch
£289.99

PHILIPS 8833MK II..... REDUCED! £219.99
Col. Stereo Monitor inc 'Lotus Turbo Challenge', + 1 yrs on-site warranty.

COMMODORE 1960 ....£394.99
Col. multi-sync monitor works in all A1200/4000 modes inc low-res.

ADD £29.99 if you would like COMPUTER WORLD STEREO SPEAKERS bundling with your order.

MONITOR ACCESSORIES-

14" dust covers...£4.99 14" tilt & swivel stand...£13.99
Anti-glare filter screen...£19.99 A4 copy holder...£12.99

MEMORY EXPANSION

A 500+
A RAM module can expand your chip RAM up to 2 Mb by using the trapdoor expansion port. All our boards carry a full 2 year no quibble replacement guarantee. It's never been cheaper to upgrade!
CW PRICE..........£39.99
1 Mb unpopulated RAM board..........£16.99

A 500
½ Mb inc. clock..........£29.99

A 600
PA 601-populated-1Mb..........£39.99
PA 601-unpopulated-0Mb..........£24.99
PA 6020 2 Mb PCMCIA card.. NEW LOW PRICE! £114.99
PA 6040 4 Mb PCMCIA card.. NEW LOW PRICE! £169.99

HARD DRIVES

GVP IMPACT SERIES II Hard Drives, the fastest Hard Drive/Controller for the Amiga. Features Game Switch, external SCSI port, FAAASTROM SCSI Driver, GVP's custom VLSI chip and internal RAM expansion up to 8 meg! Units use high specification fast-access QUANTUM Hard Drives coming with 2 yr. guarantee.

500/500+
A500-HD8+ 42 Mb ...... REDUCED! £244.99
A500-HD8+ 80 Mb ...... REDUCED! £342.99
A500-HD8+ 120 Mb ..... REDUCED! £389.99
A500-HD8+ 213 Mb ...... REDUCED! £564.99
A500-HD8 controller only £179.99

1500/2000
Series II Hard Disk Controller/RAM card..........£122.99
Series II 42 Mb Hard Disk and RAM card..........£264.99
Series II 80 Mb Hard Disk and RAM card..........£329.99
Series II 120 Mb Hard Disk and RAM card..........£406.99
Series II 213 Mb Hard Disk and RAM card..........£544.99

BOOST YOUR AMIGA'S PERFORMANCE WITH EXTRA MEMORY - ONLY £29.99

ACCELERATOR-HARD DRIVES

500/500+
GVP Combination Accelerators & Hard Drives-The ultimate expansion product for the Amiga 500!

A530 Combi 40MHz + 42Mb NEW LOW PRICE! £474.99
A530 Combi 40MHz + 80Mb NEW LOW PRICE! £569.99
A530 Combi 40MHz + 120Mb NEW LOW PRICE! £659.99
A530 Combi 40MHz + 213Mb NEW LOW PRICE! £744.99
A530 68882 Co-Processor..........£219.99

1500/2000
GVP G-Force 030-25MHz + 1Mb..........£474.99
GVP G-Force 030-40MHz + 4Mb..........£757.99
GVP G-Force 030-50MHz + 4Mb..........£1136.99
GVP G-Force 040-33MHz + 4Mb..........£1419.99

GVP Accelerator RAM
1Mb Simm-32 Bit 60 Nanoseconds..........£65.99
4Mb Simm-32 Bit 60 Nanoseconds..........£179.99

BOOKS

We stock the best selling range of Bruce Smith books
Mastering Amiga DOS Vol 1..........£21.95
Mastering Amiga DOS2 Vol 2..........£19.95
Mastering Amiga W.B. 2..........£19.95
Mastering Amiga C..........£19.95
Mastering Amiga Printers..........£19.95
Mastering Amiga Assembler..........£24.95
Mastering Amiga System..........£29.95
Mastering Amiga AMOS..........£19.95
Mastering Amiga AREXX..........£21.95
Mastering Amiga Beginners..........£19.95
A600 Insiders Guide..........£14.95
A1200 Insiders Guide..........£14.95

PRINTERS

COMPUTER WORLD PRINTER PACK
Supplied with **ALL** printers containing 1.8m std. printer cable, printer ribbons/cartridge and **250** sheets of paper absolutely **FREE**.

COMPUTER WORLD ARE A
"CITIZEN SUPER DEALER"

CITIZEN CITIZEN CITIZEN

Swift 90 Colour — NEW NEW NEW £169.99
9 PIN colour printer is fast quiet, has additional fonts and comes complete with a 2 year warranty and V 2.0 driver disk!

Swift 90 Mono .... NEW! £154.99
Swift 240 Colour.................... £269.99
Swift 240 Mono....................... £259.99
Swift 200 Colour.................... £219.99
Swift 200 Mono....................... £192.99
Citizen Auto sheet feeder........... £79.99
Citizen printers come with 2 year warranty. + V.2.0 Amiga driver disk

BUBBLE JET

MAJOR DEALER • MAJOR DEALER
Canon Canon

CANON BJ 10Sx — NEW NEW NEW £227.99
Upgraded version of BJ10ex, the worlds biggest selling portable inkjet printer. Newly designed front end, fasterprint times, more fonts, 95% Amiga Gold Award, includes BJ10Sx Driver Disk!

CANON BJ 200 95% Amiga Gold Award,... £349.99
Feature include: 300 dpi. • Min 80 page Auto sheet feeder • minimum 3 pages per minute **SUPER VALUE!**

CANON BJ 220 .... NEW! £POA
Wide carriage version of BJ200

CANON BJ 300........................ £429.99
80 column bubblejet provides laser quality output.

CANON BJ 330........................ £499.99
136 column bubblejet.

CANON BJ ex/sx cartridges............ £17.99
CANON BJ 200 cartridges.............. £24.99
BJ 10 ex/sx Autosheet feeder......... £49.99



LC-100 Colour.................. REDUCED £155.99
LC24-100 .... £189.99
LC-20............................. £132.99
LC-24-20 (II).................... £224.99
LC-200 Colour.................... £199.99
LC24-200 Colour............ REDUCED £264.99
XB24-200 Colour.................. £379.99
SJ48 Bubblejet £219.99
Star printers come with one year warranty.

AUTO SHEET FEEDERS

STAR LC20......................... £57.99
STAR LC200........................ £59.99
STAR LC24-200..................... £62.99
STAR LC24-20...................... £62.99
STAR SJ48......................... £49.99



H.P. Portable.................. NEW! £359.99
H.P. 510 Mono................... NEW! £319.99
Successor to the top selling 500 Mono

H.P. 500 (Colour).................. £446.99
H.P. Deskjet 550 (Colour)... NEW! £649.99
4 times faster than previous HP range • Top sellers • Superb printers **HP printers come with 3 year warranty.**

H.P. Deskjet 1200C Laser/inkjet... £1369.99
45 scaleable fonts,P.C.L. level 5, 6 pages per min. 300x600 dpi (if using the resolution enhancement technology 4 pages per min.) 2Mb of RAM expandable to 26 Mb, laserjet compatible.

H.P. Laserjet 4L.................... £624.99
4 pages per minute, laser easy to install & use, no on/off switch (turns off automatically when not in use) 1 tray 100 input 50 output. 26 scaleable typeface's, microfine toner, 300 dpi, 1Mb of RAM expandable to 2Mb.

HP black ink cartridge £24.99
HP colour ink cartridge £29.99

PRINTER ACCESSORIES

We have a large range of **high quality** printer accessories for all the printers we sell including: **dust covers from £2.99 • Ink cartridges from £13.99 • Mono ribbons from £3.50 • Colour ribbons from £7.99 • Printer stands from £7.99**

MICE & TRACKBALLS

GOLDEN IMAGE-Mega Mouse............ £12.99
Received 90% Amiga Format Gold Award
Mega Mouse 2.................. NEW £16.99
Newly designed, 400 dpi, an absolute must!!
Optical Mouse £29.99
High precision, pointing device.
Crystal Trackball £37.99
Infrared-Cordless-Mouse............. £47.99
(Rechargeable top selling innovation.)
Optical Pen Mouse................... £39.99
High Quality 8mm mouse Mats.......... £3.99
Auto Mouse/Joystick Switch.......... £15.99
Don't damage your Amiga's ports! This device saves wear and tear makes switchover ***FAST***.

SCANNERS

Powerful image processing tools for the office or the home environment.

POWER-Features include: 100-400 dpi • 64-Greyscales Thruport to printer • **FREE** Editing software.

Power Scanner v3.0.................. £109.99
Includes **FREE** upgraded editing software.
Power Scanner Colour................ £234.99

GOLDEN IMAGE-
Alfascan Features: Scan and Save • Migraph Jnr. OCR software • 400 dpi • 256-Greyscale • **Not** A1200/4000 compatible.
CW PRICE NEW LOW PRICE! £139.99
Alfascan+ Features: Touch up an merge it • Migraph Jnr.OCR software • 400 dpi • 256-Greyscale • **100% compatible with all Amigas.**
CW PRICE £169.99

AMIGA MUSIC

Technosound-turbo................... £29.99
Pro-Midi 2 Interface................ £24.99
This fully featured professional quality midi interface is very flexible giving semi-patch bay facilities. It has four ports 2 in, 2 out, (inc. **FREE** midi lead)

GVP Digital Sound Studio High quality sound sampler for all Amiga Computers. £39.99

'MIRACLE' KEYBOARD £279.99
It really does teach you how to play!!! Full size keyboard with built in MIDI interface • 100 onboard sounds with effects • ability to customise lessons by use of artificially intelligent software!!

MULTI-MEDIA

Computer world are a major stockist of rombo's multi-media products for the Amiga and P.C. Be assured that we offer extensive technical backup on all Rombo products and that the majority are on demo in our showroom.

Vidi Amiga 12 RT (AGA support)...... £135.99
Real-time colour capture from any video source
Vidi Amiga 24 RT (AGA support)...... £224.99
24-Bit Real-time colour capture from any video source for the professional/serious user
Vidi Amiga 12 (AGA version)......... £77.99
Vidi Amiga 12 (Std version)......... £75.99
Rendale Genlock 8802................ £164.99
Roctec P.I.P View £113.99
GVP Genlock NEW LOW PRICE! £284.99
Vidi Amiga 12 price includes insured postage for extra peace of mind!

ACCESSORIES

Control Centre...................... £34.99
Heavy duty construction,rubber edging, perfect colour match, makes an ideal workstation for the A500/A500+ **A 600 control centre now available.**
CW Stereo speakers.................. £37.99
Superb sound and excellent dynamics. These two-way stereo Hi-Fi speakers are an Amiga standard.

Analogue Joystick adaptor........... £9.99
Gravis Joystick..................... £21.99
Gravis game pad..................... £19.99
Intruder 1 (Flight Sims)............ £24.99
Freewheel (Analogue)................ £38.99
Python 1m........................... £9.99
QJ Turbo............................ £7.99
Cruiser............................. £9.99
SG Pro Pad.......................... £14.99
Zipstick Auto Fire.................. £11.99
Konix Analogue (Flight Sims)........ £14.99
BUG................................. £14.99
Cruiser............................. £9.99
Pro 5000............................ £12.99
Mini Pro 5000....................... £12.99
Beetle Mouse (for kids) great dpi... £14.99
Foot Pedal.......................... £24.99
DATA SWITCHES-(25 pin D type)
2 way.....£15.99 3 way.....£17.99 4 way.....£19.99

DISKS

Don't confuse these quality disks with others currently available. 3.5" 100% certified error free 70% clip. All disks include **FREE** high quality CW labels.

10	£4.99	200	£72.99
25	£12.99	500	£174.99
50	£22.99	750	£259.99
100	£39.99	1000	£339.99

Dysan Branded disks- Now available in rainbow packs with clear plastic box + 10 labels at the same price as standard

10	£5.99	100	£52.99
50	£28.99	500	£249.99

1000 Computer World Disk Labels...... £9.99

DISK DRIVES

All drives feature super slim design, enable-disable switch, thru port and come with a **1 year replacement guarantee!**

Computer World Deluxe Drive......... £54.99
Roctec Roclite................ NEW! £69.99
This famous drive has now been upgraded to include Anticlick and Virus Checker
Disk head cleaner................... £3.99

LEADS & CABLES

Midi-Midi 2m....£3.99 Modulator ext....£9.99
Midi-Midi 3m....£4.99 Amiga-Scart.....£9.99
Midi-Midi 5m....£5.99 Amiga-8833MkII.£9.99
Disk Drive ext....£9.99 Joystick long ext..£4.99

Mouse/Joystick ext.................. £4.99
Mouse/Joystick splitter............. £4.99
*Serial/Modem cables................ £9.99
*Amiga-Multisync.............from £9.99
*Amiga-Microvitec................... £9.99
*Amiga-CPC monitor.................. £9.99
*Amiga-RGB/TV....................... £9.99
*SCSI Cable various £9.99
Printer 1.8m.........£5.99 Printer 2.0m HQ.......£7.99

GAMES-LEISURE

Graham Gooch Cricket £28.99
F-19 Stealth Fighter................ £14.99
Operation Stealth £14.99
Tank Platoon £14.99
Flashback £28.99
Body Blows (Team 17)................ £24.99
Superfrog (Team 17)................. £24.99
Lemmings 2 (Psygnosis) 1Mb.......... £27.99
Desert Strike (E. Arts) £27.99
Sensible soccer £23.99
Chuck Rock 2 (Son of chuck) £23.99
Street fighter 2 (US Gold) £25.99
B17 Flying Fortress (Microprose) ... £29.99
Zool (Gremlin) £23.99
Humans (Jurassic Levels) £27.99
Abandoned Places (Ice) £32.99
Premier Manager (Gremlin)........... £23.99
Nick Faldo's Championship Golf £32.99
Historyline 1914-1918 (Blue Byte) .. £32.99
Sleepwalker-comic Relief (Ocean £23.99
Indy Jones & Fate of Atlantis (US Gold)... £36.99
Legends of Valour (US Gold) £37.99
Wing Commander (Mindscape) £32.99
Sportsmasters (Empire) *(A1200 compatible)*... £27.99
Inc PGA Tour Golf • European Championship Soccer • Indy 500 • Advantage Tennis
Syndicate .... NEW! £P.O.A.
The Lost Viking .... NEW! £P.O.A.
The Ancient Art of War in the Skies.... NEW! £P.O.A.
Goal by Virgin New by dino Dini ... NEW! £P.O.A.
Beavers Grandslam............. NEW! £25.99

MODEMS

US Robotices Authorised Reseller

The No 1 name in fax modems - US Robotices pride themselves on high quality modems at an afordable price. They come backed with a 5 year warranty and are fully BABT approved.

THE SPORTSTER..................... £329.99

This modem incorporating data pump technology, operates at 14400 bps standard. It is 50% faster than 9600 bps modems and has full error control and data compression. It has the ability for throughput to reach 57600 bps.

WHY IS SPEED SO IMPORTANT? (ask Tele-sales for a full information pack if required)

THE FASTER YOU GO THE LESS IT COSTS!
2Mb FILE TRANSFER - Calculated at 5.6 pence per unit (peak rate long distance)

SOFTWARE

ACCOUNTING
Arena Accounts...................... £82.99
Personal Finance.................... £29.99
Manager Plus Home Accounts 2........ £39.99
System 3............................ £39.99
System 3E........................... £54.99
Cashbook Combo...................... £54.99
Day by Day.......................... £22.99

ANIMATION
Deluxe Paint 4 AGA.................. £69.99
Morph Plus.......................... £159.99
Real 3D Classic..................... £77.99
Real 3D V2.......................... POA
Take 2.............................. £38.99
Personal Paint...................... £46.99

CAD/DRAWING
X-CAD 2000.......................... £99.99
X-CAD 3000.......................... £249.99

DATABASE
Mailshot Plus....................... £36.99
Superbase 2......................... £19.99
Superbase 4......................... £182.99

MUSIC & SOUND
KCS Level II v3.5................... £219.99
Bars and Pipes Pro V2............... £249.99
Kits for Bars and Pipes............. £44.99
Super Jam v1.1...................... £69.99
The Patchmeister.................... £62.99
Triple Play Plus.................... £164.99
SyncPro............................. £184.99
One Stop Music shop................. £564.99
AMAS 2.............................. £74.99
Clarity 16 (16 bit sampler)......... £114.99
Quartet............................. £39.99
Stereo Master....................... £29.99
Videomaster......................... £52.99
Deluxe Music not v20................ £52.99
Megamix Master...................... £29.99
TechnoSound Turbo................... £29.99
Techno Sound Turbo 2................ £36.99
The Music Librarian................. £29.99

PRESENTATION & SLIDESHOW
Can Do V2........................... £99.99
Deluxe Video 3...................... £69.99
Scala 500........................... £79.99
Scala Professional.................. £179.99

RENDERING & RAYTRACING
Alternative 3D Textures............. £29.99
Essence............................. £49.99
Morph Plus.......................... £169.99
Pixel 3D Pro........................ £144.99

SPREADSHEETS
Maxiplan V4......................... £36.99

FONT PACKS
Anim Fonts (Vol 1,2,3 or 4)......... £32.99
Kara Fonts (Headlines 1,2 or 3,subheads)... £39.99
Video Fonts: (Serif1, 2, Sans Serif1, 2, or Decorative)... £49.99
Typesmith........................... £124.99

FRACTAL SFX & IMAGE PROCESSING
Art Department Pro 2................ £134.99
Art Dept Pro Conv Kit............... £59.99
Deluxe Paint 4 AGA.................. £69.99
Imagemaster......................... £129.99
Morph Plus.......................... £159.99
Pro Vista v3........................ £59.99

INTERGRATED PACKAGES
Mini Office......................... £39.99
Gold Disk Office 2.................. £46.99

LANGUAGES
Amos................................ £34.99
Amos Compiler....................... £21.99
Amos 3D............................. £25.99
Amos Professional................... £39.99
Easy Amos........................... £25.99
Cygnus Ed Pro 2..................... £59.99
Hisoft Basic........................ £39.99
Hisoft Extend....................... £16.99
Hisoft Dev Pac...................... £47.99
Hisoft Pascal....................... £64.99
Lattice C v6+ £219.99

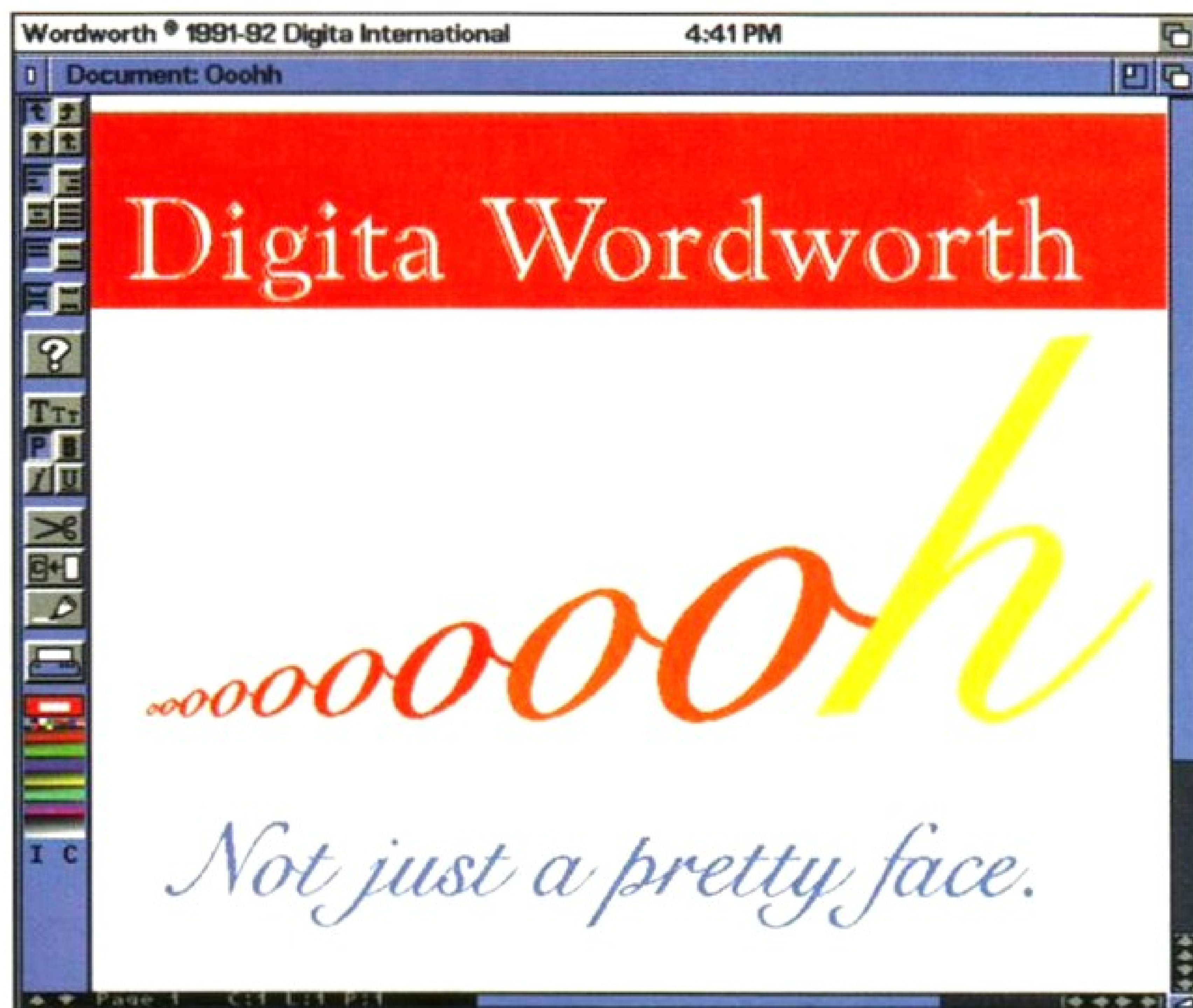
UTILITIES
Cross Dos v5 (Includes Cross PC emulator)... £32.99
Dos 2 Dos........................... £34.99
GB Route Plus....................... £36.99
Directory Opus v4.0................. £49.99
Gigamem............................. £99.99
Hotlinks Editions................... £69.99
Notebok............................. £29.99
Quarterback v5...................... £52.99
Quarterback Tools................... £54.99
X-Copy Professional................. £29.99

VIDEO PRODUCTION & TITLING
Big Alternative Scroller............ £36.99
Big Alternative Scroller 2.......... £59.99
Broadcast Titler 2.................. £229.99
Broadcast Titler 2 Super Hires Edition... £279.99
Font Pack 1 for BT2................. £86.99
Pro Video Post...................... £164.99
Scala 500........................... £79.99
Scala Professional.................. £179.99

WORD PROCESSING & DTP
Final Copy Release 2.2.............. £79.99
Kindwords........................... £36.99
NoteBook............................ £29.99
Pagestreamv2.22..................... £79.99
Pagestream Business Forms........... £29.99
Pagesetter 3........................ £41.99
Pen Pal............................. £39.99
Professional Page v4................ £136.99
SoftFaces (vols 1-4)................ £59.99
Soft Clips.......................... £42.99
The Publisher....................... £36.99
Wordworth v2 (AGA).................. £82.99
Turbo Print Professional............ £34.99

NEW AGA VERSION

Nine reviewed One winner*



* Word processor roundup, Amiga Shopper, May 1993

(Just thought you'd like to know)

If you want to know more about award–winning Wordworth...



Voted Best Word Processor "A good length clear of the field"

"The ultimate in word processing power"

Voted Best Word Processor "Inspirational, that's the word"

or Agfa Compugraphic font and clip art collections...

AGFA — IntelliFont

Genuine Agfa Compugraphic Font Collections

Pride And Presentation	20 fonts	29.99
Classic Collection	25 fonts	39.99
The Reference Library	50 fonts	69.99

Each collection includes the Digita font disk creator for WB2.04+

call 0395 270273 or write to Digita FREEPOST Exmouth EX8 2YZ England



Digita International Limited   Black Horse House   Exmouth EX8 1JL   England   Telephone 0395 270273   Facsimile 0395 268893

—A member of the Digita group—

Digita, the Digita logo, and Wordworth are registered trademarks of Digita Holdings Ltd. Scalable type outlines are licensed from Agfa Division of Miles Inc. Agfa is a registered trademark of Agfa–Gevaert, AG. Intellifont is a registered trademark of Miles Inc.

STOP! YOU NO longer need to spend hours searching for that review you were sure was in *Amiga Format* three months ago – all the information you need is on the next six pages. We've collated and collected a comprehensive list of all the reviews, tests and round-ups of hardware, serious software, games reviews, educational reviews and Coverdisks. So for the 144,330 of you who buy *AF* every month, read on and see what you've missed (or for on-the-ball Amiga owners, what you can still get by ordering back issues – see page 150).

A year in the life of the Amiga

It's round-up time! Here's a comprehensive guide to all the reviews, games and features from the last 12 months of Amiga Format.



ISSUE 37

ON SALE IN JULY 1992

NEWS: a number of new Amiga models are promised by Commodore US, the CDTV is bundled with a keyboard, mouse and disk drive for the first time, and Commodore UK's MD Steve Franklin steps down and is replaced by Kelly Sumner.

FEATURES: we looked at how people put their Amigas to work – who they are and what they are doing with them. Then we covered PC emulation and showed you how to make your Amiga work with PC software, and predicted the future of graphics with *Imagemaster* – a stunning image processing program. Plus: at the wheel with driving games – a round-up of the best of the bunch.



ISSUE 38

ON SALE IN AUGUST 1992

NEWS: the A570 CD-ROM drive arrived; Philips launched CD-i into the UK; and Commodore's new boss, Kelly Sumner, told us what plans he had in mind for the future of the Amiga.

FEATURES: we showed you how you could keep your A500 alive and kicking with expansions. And for those who were thinking of buying a monitor, mouse or a modem we gave you the low down on the best hardware on the streets.



ISSUE 39

ON SALE IN SEPTEMBER 1992

NEWS: A600 and A3000 prices were slashed; we asked if the A4000 was the new Amiga; and we collated games news for a special round-up.

FEATURES: with the A570 CD interface now on sale we showed you how to turn your Amiga into a CDTV and also reviewed every CD so far released. Plus 10 pages of this issue were packed with printers, all put to test.



ISSUE 40

ON SALE IN OCTOBER 1992

NEWS: Commodore's successful Cartoon Classics pack was replaced with two new A600 games and educational bundles. *Sensible Soccer* was reported to be paving the way towards lower-priced CD software. And we told you what to expect to see at The Future Entertainment Show – 1992's biggest computer exhibition in Europe.

FEATURES: for artists at all levels we prepared a step-by-step tutorial on getting the most out of *Deluxe Paint*. And if you didn't want to draw, we showed you how you could still have amazing images with a look at the best of Amiga digitisers. But if words were more important to you than pictures, our six-page feature on word processors kept you at your keyboard.



ISSUE 41

ON SALE IN NOVEMBER 1992

NEWS: launched: the Amiga 1200 – faster, more powerful and with more colours at a new price level. Morphing, the new graphics technique, hits the Amiga. Plus: CDTV drops to a competitve price at £399.

FEATURES: we stripped down and checked out the new top-dog Amiga 4000. And we showed you how to stay safe with our guide to keeping clear of computer viruses.



ISSUE 42

ON SALE IN DECEMBER 1992

NEWS: price rise shock – all Amigas set to go up in the new year; and Commodore says the A2000 is not to be replaced.

FEATURES: we had an extra special GameBusters with a run down of the best games ever and how to play them. Then we looked at the year ahead and asked the top names in Amiga software and hardware what plans they had for 1993. And we told you what PCMCIA meant to the Amiga. *AMOS* was on the Coverdisk, so we started the first in a long line of 'Mastering *AMOS*' features to help you write your own professional-looking programs.

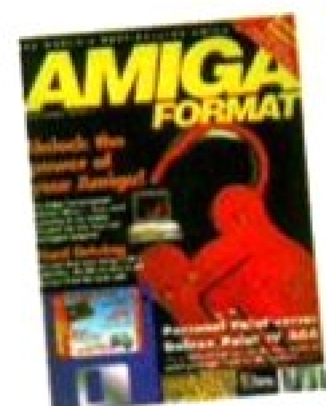


ISSUE 43

ON SALE IN JANUARY 1993

NEWS: the first example of A1200-specific software – *Deluxe Paint IV AGA* – was announced and, for the power hungry, the first A1200 booster was launched.

FEATURES: we revealed all the innermost secrets of the Amiga machine – from how a chip works to how a monitor displays a picture. And we set the agenda for what should happen to the world of the Amiga.



ISSUE 44

ON SALE IN FEBRUARY 1993

NEWS: "Our interests couldn't be in better hands", said Commodore as the *Amiga Format* Live '93 Show was announced for May. And we warned: the A1200 has teething problems as some sub-standard TV modulators go on to the market.

FEATURES: this month our coverage was led by choosing and using the best software, as we showed you how to unlock the power of your Amiga. Plus we looked at five new hard drives reviewed and rated.



ISSUE 45

ON SALE MARCH 1993

NEWS: the first A1200 pack appeared with Ocean's *Sleepwalker* and a Comic Relief edition of *Amiga Format*. The A1200 also got a hard drive giving you 60 or 80 extra Mb!

FEATURES: we explored the longest lasting buzzword in computer history – multimedia – and found out what it meant to you. An on-line gaming – we showed you how you could get communal with fellow modem-owning Amiga gamesplayers.



ISSUE 46

ON SALE IN APRIL 1993

NEWS: Commodore's A4000/030 mid-range machine was here at last; the roaster chip was promised for the OpalVision video suite; plus 1992 sales figures revealed record scores for the Amiga.

FEATURES: we told you why we think Cyberpunk is the fiction of the future and how it will affect you. Then we covered morphing: how it's done and how much use it is. Plus we had an IDE round-up telling you how you could have your hard drive on the inside of your Amiga.



ISSUE 47

ON SALE IN MAY 1993

NEWS: after just 10 months as Commodore UK's MD, Kelly Sumner resigned – we told you what his move meant. Plus we took a trip to the American World of Commodore show in New York – and asked: 'Is it so different on the other side of the Atlantic?' Then we looked at the Amiga in a professional studio à la Evelyn Glennie.

FEATURES: we went on another trip, but this time all around the world on an intercontinental guide to the Amiga. We also test drived the new mid-range A4000/030, and the best of floppy drive buys.



ISSUE 48

ON SALE IN JUNE 1993

NEWS: showing off again, we reported how well the *Amiga Format* Live '93 Show went, with thousands of Amiga users pouring through the doors each day to play new games, see demonstrations and meet the teams of *Amiga Format*, and sister magazines *Amiga Power* and *Amiga Shopper*.

FEATURES: we gave you a Sound & Vision spectacular with two Coverdisks including a video titler, music sequencer and animation player, and then put together 16 pages of tutorials for a complete PD do-it-yourself package.

IT ALL ADDS UP

We've added the statistics for issues 37-48, and we've come up with some great figures:

Total number of pages	2,664
Number of games reviewed	194
Number of *Format* Gold games	20
Average score of games	70.34%
Number of budget games reviewed	96
Average score of budget games	70.21
Number of *Format* Gold budget games	2
Number of serious soft/hardware reviews	176

Coverdisks

Out of the past 12 issues of *Amiga Format*, eight had two disks and four had one disk on the cover, bringing you a huge selection of high quality software that would otherwise cost you a small fortune. And don't forget – if you subscribe to AF you will now receive an extra disk every month packed with software and useful utilities. Here's a run-down of the Coverdisk packages we've had in the last year...

COMPLETE FULL-PRICE PROGRAMS

We not only put complete programs on the cover, but we also had in-depth editorials on how to use and make the most of them.

Program	Issue number	What it was
AMOS	42	Programming language
Animation Station	37	Powerful tool that will let you create and run animations
Devpac 2	39	Machine code package for games writing
IntroCAD	38	Computer aided design program
Prodata	43	Database from Arnor
TVText	40	Video titling package
Scribble!	41	Full word processor

COVERDISK GAME DEMOS

Top names in games were squeezed on to the disks, just to please you.

Atoms	46	Multiplayer puzzler
B17 Flying Fortress	47	MicroProse's flight simulator
Caesar	39	God-like strategy game
Chaos Engine	40	Action thriller from the Bitmaps
Charlie Chimp	46	Three-level platformer
Disposable Hero	47	Shoot-em-up
Dong	45	Cute platform game
Hired Guns	44	Cyperpunk role-playing adventure
International Sports Challenge	37	Diving game from Empire
Legends of Valour	40	US Gold's adventure RPG
Lemmings 2 – The Tribes	42	Cute puzzler
Nigel Mansell's World Championship	41	Speed around the Grand Prix circuits
Quicksilver Pinball	39	Pinball game
Syndicate	48	Bullfrog's futuristic shoot-em-up
The Simpsons – Bart vs the World	43	Platform puzzler

COVERDISK SERIOUS DEMOS

We never forget that most of you have your serious side too, so we brought you more dead good demos

3D Construction Kit 2	38	Domark's 3D game making demo
Adorage	48	Video effects titler
Bridgeball	37	Puzzler platform game
Devpac	44	Source code to read a four-button joystick
Digital Illusions	45	Image processor
Fractal Goblins	46	Educational fractal demo
Multimedia	45	Multimedia program examples
Noddy's Playtime	43	Education paint package
Personal Finance Manager Plus	38	Accounts system from Microdeal
ProTracker v3.10B	48	Sample sequencer for composing music
Real Things Animals demo	39	Complete animbrush
View	48	Animation player
Voltage Controller	44	AMOS-controlled hardware project
Wordworth 2	41	Document processor

COVERDISK UTILITIES

You can never have too many useful utilities, so we keep giving them to you.

Animation utilities	37	Various uses
Auto disk logger	37	Software tracker
Bullfrog Convert	43	DPaint image converter for use with Devpac 2
Check v4	46	Shell utility that checks for your Kickstart version
Events Diary	37	Handy startup sequence utility
Cross-DOS	40	Make use of PC graphics, text files and samples
Disk Logger 1.3	38	Catalogue what is on your floppies
Mode Switch	39	Utility for switching between American NTSC and European PAL screen modes
Start-up sequence utility The Degrader	38	Downgrades your system to run more software

COVERDISK FIXES

When you were in a fix, we helped you out with this trio:

Alien Breed Fix	43	Modifier for the game
BootXFix	44	Fixer for Coverdisk 41b
EOTB2 Char Ed	38	Game cheats utility

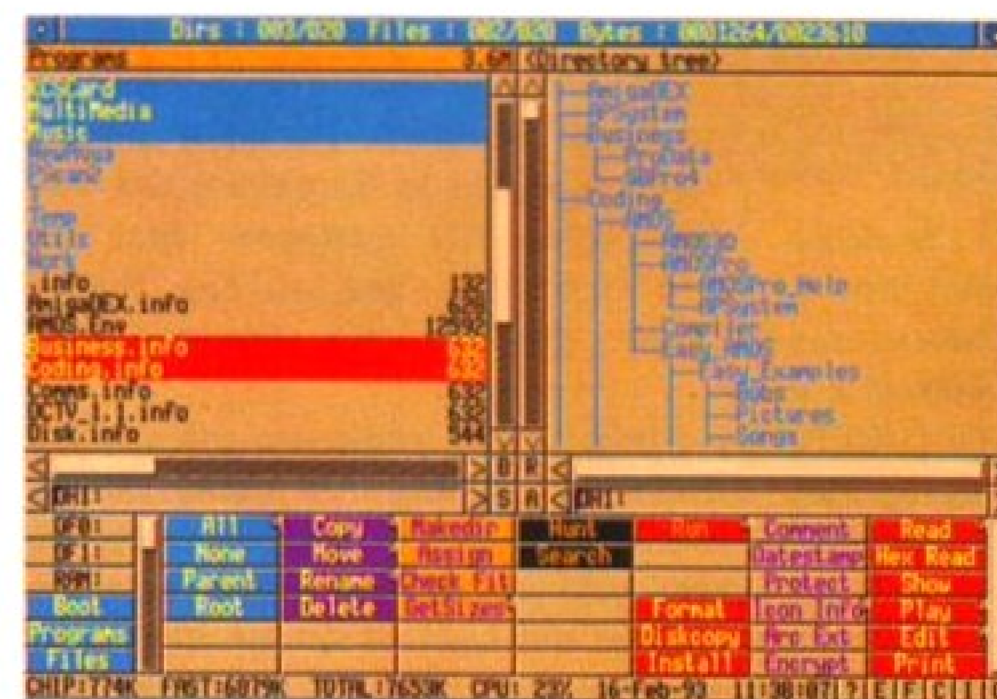
SERIOUS SOFTWARE

Anything that's not a game or education software comes under this heading and we've grouped them in categories often used by Americans: Creativity (C) includes design and DTP; Productivity (P) means things like business software, word processors, spreadsheets, and databases; and Utilities (U) are tools. We've also got categories for programming (L), Books (B) and, of course, Format Golds (FG).



The professional version of the extended basic programming language, *Amos Pro* was the highest scoring software at the time with 97 per cent until...

Name		Issue	Page	Score	
Adorage Video effects	Micro-PACE	47	137	78%	C
AMOS Professional Programming language	Europress	40	178	97%	L FG
Art Expression Structured drawing	Soft-Logic	44	138	75%	C
Audio Gallery Language learning software	Micro-PACE	39	166	65%	P
Bars & Pipes Professional 2 MIDI sequencer	Blue Ribbon Soundworks	46	143	90%	C FG
Boom Box Music software	Dr T's	43	140	80%	C
CanDo 2.0 Multimedia software	INOVAtronics	45	132	82%	C
CrossDos 4 PC and ST disk handler	Silica Systems	39	167	85%	U
Deluxe Paint AGA Art package	Electronic Arts	44	132	90%	C FG
Directory Opus CLI replacement program	INOVAtronics	39	184	92%	P FG
Directory Opus 4 CLI replacement program	INOVAtronics/Silica	45	135	98%	U FG
Distant Suns Astronomy program	Carina Software	43	156	76%	C
DOS LAB Disk tutorial	George Thompson	46	144	70%	P
Excellence 3 Word processor	Micro Systems	40	153	80%	P
Excellence! Word publisher	MSS	44	158	64%	P
Expert 4D Junior 3D modelling program	HB Marketing	37	167	72%	C
Final Copy II Word publisher	Softwood	42	222	84%	P
GigaMem Virtual memory software	HB Marketing	43	144	78%	P
GPFax Fax software	GP Ware	40	173	90%	P FG



***...Directory Opus 4* arrived from INOVatronics and scored a massive 98 per cent.**

Name	Publisher	Issue	Page	Score	Rating	Description
Helios Forth	Helios Software	39	163	76%	P	Programming language
Illinois ProCode	Works Software	48	142	75%	U	Label printing utility
ImageFX	GVP	45	122	92%	C FG	Image processing package
Image Master	Amiga Centre Scotland	37	156	89%	C	Image processing program
Insider Guides	Bruce Smith	46	144	90%	B FG	Reference guides
Mini Office	Europress	39	182	84%	P	Integrated office programs
Mini Office	Europress	40	158	50%	P	Word Processor
Morph Plus	ASDG	42	219	90%	C FG	Image processing package
Order	South Hams Software	37	164	65%	P	Relational database
Order 2.05	South Hams	47	140	80%	P	Database
PageSetter 3	Gold Disk	44	146	90%	C FG	Desktop publisher
Pen Pal	Softwood	40	155	85%	P	Word processor
Personal Paint	Cloanto	44	136	79%	C	AGA paint & image processing package
Personal Write	Micro-PACE	47	124	70%	P	Word processor
Plants For All Seasons	ARK	48	129	90%	P FG	Horticultural database
ProPunter	DGA software	45	136	82%	C	Expert system
Professional Calc	Gold Disk	39	185	92%	P FG	Spreadsheet
Professional Draw 3	Gold Disk	39	174	92%	C FG	Structure drawing software
Professional Page 4	Gold Disk	45	122	94%	C FG	Desktop publishing
Protext 5	Arnor	40	152	80%	P	Word processor
Quickwrite 3.1	New Horizons	40	155	50%	P	Word processor
Rave	The Digital Muse Ltd	47	132	79%	C	Sequencer
Real 3D version 2	RealSoft/Activa	46	138	96%	C FG	3D modelling and rendering
Real Things – Dogs	Living Data	43	146	75%	C	Animated clip art
Scala MM200	Digital Vision	39	154	87%	C	Presentation software
Scribble! Platinum Edition	MSS	40	156	79%	P	Word processor
Sequencer One Plus	Gajits	37	162	81%	C	MIDI sequencer
Superbase Professional 4	Oxxi-Aegis	39	185	90%	P FG	Database
The Music Librarian	ARK	48	129	82%	P	Music database
The Publisher	The Disc Company	43	150	92%	C FG	Desktop publishing
Transwrite	Gold Disk	40	156	85%	P	Word processor
TruePrint/24	ASDG	41	201	68%	U	24-printing utility
TV Paint 2	TecSoft	47	138	92%	C FG	True colour art package
TypeSmith	Soft-Logik	46	130	88%	C	Outline fonts designer
Understanding Imagine 2	Alternative Image	43	146	92%	B FG	Reference book
Video Studio 3	ZVP	39	158	79%	C	Video production software
Vista Pro 3	DMI plc	46	146	92%	C FG	Fractal generator
Voyager	Virtual Reality Labs	43	156	92%	C FG	Astronomy programs
Wordperfect	Wordperfect Corp	40	158	60%	P	Word processor
Wordworth 1.1	Digita	39	184	90%	P FG	Word processor
Wordworth 1.1	Digita	40	153	89%	P	Word processor
Wordworth 2	Digita	41	184	91%	P FG	Document processor
Workbench 3	Commodore	41	45			Amiga Operating system
X-CAD 2000	Digital Multimedia	40	176	88%	C	Computer aided design package

AMIGA CD TITLES

Because Compact Discs will inevitably take over as the main, if not the only, format on which you will be able to buy any sort of software, we think it's important to keep up-to-date with what's happening in this market. The following list is of all types of software, from games and education titles to music creators and utilities.

Name		Issue	Page	Score
17 Bit Collection	17 Bit Software	48	157	89%
A Bun for Barney	BBC Multimedia	39	49	79%
Alistair in Outer Space	Altered Images	48	142	62%
All Dogs go to Heaven	Merit Software	39	49	25%
American Heritage Illustrated Dictionary	Xiphias	39	42	45%
American Vista Atlas and World Vista Atlas	Applied Optical Media	39	45	85%
Animals in Motion	On-line	39	50	55%
Barney Bear goes to School	Free Spirit	39	49	11%
Battlechess	Interplay	39	36	75%
Battlestorm	Titus	39	36	37%
Case of the Cautious Condor	Tiger Media	39	38	79%
Casino Games	Saen Software	39	36	21%
CD-PD Collection	Almathera Systems	39	50	89%
CD-Remix 2	Microdeal	39	50	80%
Chaos in Andromeda	On-line	39	36	33%
Connoisseur Fine Art Collection	Lascelles	39	42	77%
Defender of the Crown	Cinemaware	39	38	48%
Discis Books Series		39	48	Varied
Dr Wellman, Health Advisor	Digita	39	42	78%
Falcon	Mirrorsoft	39	38	75%
Fred Fish CD-ROM Collection	Hypermedia Concepts	39	50	89%
Fun School 3 (under 5s)	Europress	39	49	25%
Fun School 3 (5s-7s)	Europress	39	49	70%
Gardenfax Series	Intersearch	39	44	85%
Global Chaos CDTV	Hex	41	147	78%
Guiness Disc of Records	Guiness	39	42	75%
Heroic Age of Spaceflight	Troika	39	42	55%
Hound of the Baskervilles	On-line	39	38	12%
Hutchinson's Encyclopaedia	Attica Cybernetics	39	44	47%
Illustrated Bible	Animated Pixels	39	44	25%
Illustrated Complete Works of Shakespeare	Animated Pixels	39	44	25%
Insight: Technology	CDTV	41	146	87%
Japan World	Global Learning Systems	39	44	89%
Karaoke Hits 1	Music Machine	41	146	75%
Learn French with Asterix 1 & 2	Eurotalk/Microdeal	39	48	84%
Lemmings	Psygnosis	39	36	75%
Mind Run	Crealude	39	38	32%
Music Maker	Music Sales	39	50	35%
Mypaint	Saddleback Graphics	39	49	35%
New Basics Electronic Cookbook	Xiphias	39	45	75%
New Grolier Encyclopaedia	Electronic Publishing	39	45	84%
Psycho Killer	On-line	39	38	13%
Sim City	Infogrames	39	41	75%
Snoopy: The Missing Blanket	The Edge	39	41	36%
Team Yankee	Empire	39	41	65%
The Demo Collection	Almathera Systems	41	147	90%
Timetable of History: Business, Politics and Media	Xiphias	39	45	45%
Timetable of History: Science and Innovation	Xiphias	39	45	70%
Town with No Name	On-line	39	41	35%
Trivial Pursuit	Domark	39	36	65%
Voicemaster	Microdeal	39	48	80%
Women in Motion	On-line	39	50	55%
Wrath of the Demon	Readysoft	39	41	32%
Xenon 2	Mirrorsoft	39	41	32%



Of our CD reviews, *The Demo Collection* from Almathera Systems scored the only Format Gold.

EDUCATIONAL SOFTWARE

Most education software seems to make learning fun, but whatever it is, it also needs to be a worthwhile teaching tool. Over the year we've reviewed quite a selection.

ADI Education Software
(French/Maths/English)
Europress | 44 | 165 | 75%

ADI Junior
Europress | 47 | 126
Counting (4-5) 80%, Counting (6-7) 72%, Reading (4-5) 74%, Reading (6-7) 76%

Compendium Six
GeniSoft | 37 | 173 | 90%
Kids Type, Calendar Quiz, Game, Set and Match, Weather Watcher, Where is it? What is it?, Word & Numbers

Coombe Valley Education Software
Coombe Valley | 46 | 134

Title	Score
Picture Fractions (7-10)	85%,
Fraction Goblins (8-13 plus)	85%,
Cave Maze (8-13)	79%,
Maths Dragons (5-12)	94%,
Reasoning with Trolls (5-12)	91%,
Tidy the House (5-9)	80%

Disney Software
Infogrames | 48 | 132

Title	Score
Mickey's 123s – The Big Surprise Party	71%
Mickey's Jigsaw Puzzle	72%
Mickey's ABCs – A Day at the Fair	69%
Mickey's Memory Challenge	71%

Kid Pix
Electronic Arts | 46 | 126 | 90%
Kids' paint package

Mavis Beacon Teaches Typing 2
Disk tutorial Software Toolworks | 48 | 126 | 85%



***Disney Software* is a good example of**

Musicolor
Virgin | 45 | 147 | 78%
Music learning package

Spelling Fair
Europress | 40 | 168 | 87%

Touch Typist
Disk tutorial Sector Software | 48 | 126 | 78%

SOFTWARE

38-40 QUEENS CHAMBERS, QUEEN ST,

ORDER HOTLINE



ALL HARD DRIVES

A4000/040

Complete system as supplied by Commodore

120	1919
170	1939
250	1979
330	2069

A4000/030

Complete system as supplied by Commodore

85	899
170	979
256	1039
330	1128

For 2+2 system please add £89

Example of hard drive specs: 170Mb, access times of C12ms, Tx 2.1Mb/sec

A4000/030/040 UPGRADES

CD ROM DRIVE INCLUSIVE OF GVP SCSI CARD £399

Add an extra HD when purchasing your system

85Mb	119
120Mb	139
170Mb	189
250Mb	249

Math Co-Pro's for 4000/030 Easy plug in installation

25Mhz PLC 68882	79
40Mhz PLC 68882	139

PC EMULATORS FOR 4000/030 4000/040

386	199
486	299

ALL CARDS ARE SUPPLIED COMPLETE WITH MANUALS AND DOS 5

SVGA Cards	49

MEMORY, SINGLE SIDED

1Mb Simms	59
4Mb Simms	139

ALL PRICES SUBJECT TO

DEMON LTD

PENZANCE, CORNWALL TR18 4HB
(0736) 331039
GUARANTEED FOR 3 YEARS



A1200 369

Complete package as supplied by Commodore

A1200 + 40Mb Hard Drive	469
A1200 + 85Mb Hard Drive	539
A1200 + 127Mb Hard Drive	599
A1200 + 170Mb Hard Drive	688
A1200 + 250Mb Hard Drive	739

ALL MACHINES ARE SUPPLIED WITH HD PREP SOFTWARE AND OUR OWN RTB GUARANTEE

A1200 + 80Mb hard drive as supplied by Commodore with on-site warranty

A600	189!
A600 + 40Mb HD	279
A600 + 80Mb HD	369
A600 + 120Mb HD	419

Please add £39 for Wild, Weird and Wicked Pack

HARD DRIVE KITS AND UPGRADES

40Mb	99
85Mb	169
127Mb	229
170Mb	249
250Mb	299
330Mb	399

We will pick up your machine by reputable courier, fit your chosen hard drive, guarantee both machine and hard drive for a year, and return it by 24 hour courier for only £29!

A1200 +A600 UPGRADES

2Mb PCMCIA Ram Card 109
4Mb PCMCIA Ram Card 169
1Mb PCMCIA Static Ram Card109
2Mb PCMCIA Static Ram Card 169

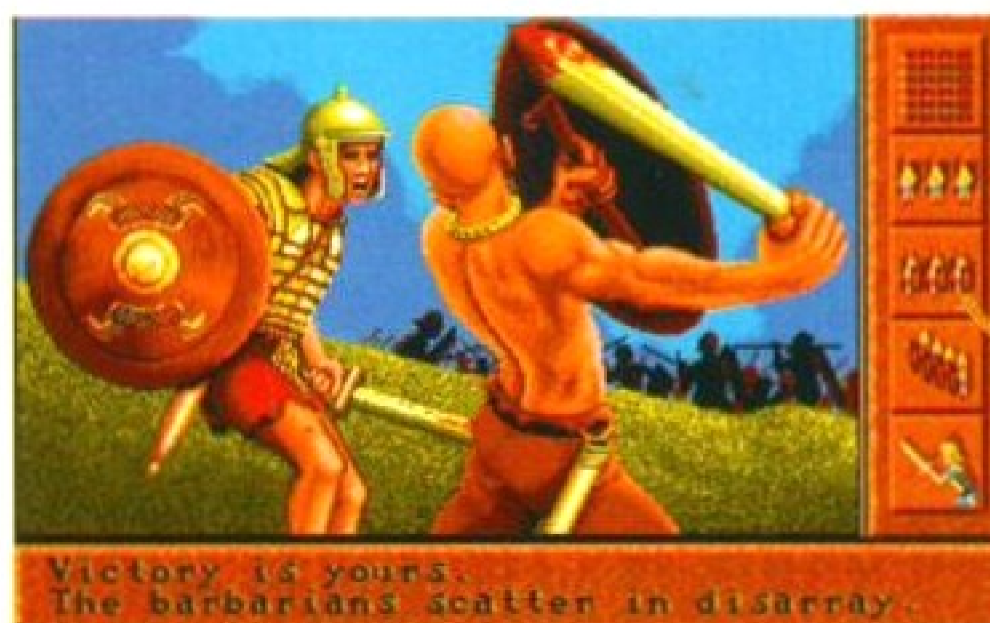
MONITORS

CBM 1960 MULTISYNC 329
CBM 1084/5 189
PHILIPS CM8833 inc F19 SOFTWARE 189

PLEASE CALL FOR LATEST ACCELERATORS AND OTHER HIGH END QUALITY HARDWARE

CHANGE WITHOUT NOTICE E+OE


Taking its title from the year the Suez Canal was opened, *1869* was rated as one of the best multiplayer games.



"A fun wargame and a beautiful sim" we said of *Caesar* and gave it a stunning score of 91 per cent...


...but *HistoryLine 1914-1918* from Blue Byte topped that with 94 per cent and we proclaimed: "It's a winner!".

BEFORE YOU BUY a game you want to know if it's worth the money, don't you? And who do you trust to tell you – *Amiga Format*, of course! And on these two pages you can check any one of the 290 games we've looked at over the past 12 months.

If there's a B at the end of the column this means it's a budget game and an FG means it's a Format Gold (90 per cent and over). But any game which has a score of 80 per cent or more is well worth having, and 70 per cent plus is certainly worth a good look at.

Name	Issue	Page	Score	
1869	46	72	90%	FG
3D Construction Kit 2	42	140	78%	
688 Attack Sub	48	89	73%	B
Abandoned Places 2	**45**	**84**	**87%**	
Adrenalynn	44	108	63%	B
Air Bucks	38	81	72%	
Air Support	41	137	62%	
Alien 3	45	72	70%	
Alien Breed Special Edition	43	111	87%	B
Amberstar	42	128	81%	
Ancient Art of War in the Skies	48	78	87%	
Aquatic Games	40	94	86%	
Arnie	37	108	44%	B
A-Train	45	68	84%	
Aquaventura	37	98	73%	
Arabian Nights	46	64	80%	
Archer MacLean's Pool	40	100	89%	
Ashes of Empire	37	78	85%	
Assassin	42	124	85%	
AV88 Harrier Assault	43	65	60%	
B17 Flying Fortress	**46**	**76**	**91%**	**FG**
Bard's Tale Construction Set	45	65	66%	
BAT II	40	78	84%	
Battle Isle '93	48	64	81%	
Battle Isle Scenario Vol 1	37	61	72%	
Battle Squadron	47	93	86%	B
BC Kid	42	136	70%	
Beavers	47	87	75%	
Bignose the Caveman	43	108	65%	B
Bill's Tomato Game	43	76	88%	
Body Blows	46	58	87%	
Boston Bomb Club	48	90	77%	B
BSS Jane Seymour	38	97	75%	B
Bubble Dizzy	44	110	78%	B
Budokan – The Martial Spirit	48	88	80%	B
Bug Bomber	39	110	83%	
Bunny Bricks	41	97	78%	
Caesar	**41**	**92**	**91%**	**FG**
California Games 2	38	76	64%	
Campaign	41	124	79%	
Captain Dynamo	40	111	67%	B
Carl Lewis Challenge	40	104	56%	
Carnage	45	96	51%	B
Carrier Command	41	88	90%	B, FG
Champ Manager	37	61	41%	
Champ Manager '93	48	73	82%	
Chuck Rock 2	46	80	81%	
Civilization	38	51	94%	FG
CJ in the USA	40	110	79%	B
Cohort II	47	58	55%	
Conflict: Korea	37	86	70%	
Cool Croc Twins	37	74	88%	
Cool World	42	120	62%	
Crack Down	37	108	54%	B
Crazy Cars III	38	64	93%	FG
Crazy Seasons	38	78	68%	
Creatures	45	64	63%	
Crystal Kingdom Dizzy	45	83	65%	
Crystals of Arborea	46	94	52%	B
Curse of Enchantia	41	136	62%	
Cytron	42	133	70%	
Dalek Attack	**43**	**69**	**59%**	
Dark Queen of Krynn	41	111	49%	
Darkseed	44	68	72%	
Desert Strike	46	68	87%	
D-Generation	37	101	66%	
Discovery	37	95	72%	
Dizzy – Prince of the Yolk Folk	41	88	81%	B
Dojo Dan	37	79	80%	
Doodlebug	41	133	72%	
Dragon's Lair III	44	98	57%	
Dreadnoughts	37	86	45%	
Dylan Dog – the Murderers	37	78	42%	
Edd the Duck 2	**47**	**93**	**80%**	**B**
Emlyn Hughes Soccer	38	96	77%	B
Epic	37	71	34%	
Erik	39	115	67%	B
Espana The Games '92	39	104	43%	
European Champions	38	65	34%	
Euro Soccer	44	87	45%	
Exodus 3010	44	65	62%	
F-19 Stealth Fighter	**48**	**88**	**86%**	**B**
F1 Tornado	40	110	47%	B
Falcon	39	115	90%	B,FG
Falcon – Counterstrike	39	115	80%	B
Falcon – Firefight	39	115	78%	B
Fascination	39	90	65%	
Fatal Strokes	44	81	17%	
Fighter Duel Pro	41	137	27%	
Final Command	37	109	53%	B
Final Countdown	47	92	70%	B
Final Flight	48	87	57%	B
Fire Force	42	123	71%	
Firehawk	48	66	65%	
First Class	44	110	88%	B
Flashback	45	54	93%	FG
Flight of the Intruder	42	150	82%	B
Flimbo's Quest	42	151	65%	B
Floor 13	37	104	50%	
Football Champ	37	78	40%	
Fourth and Inches	47	91	42%	B
Future Wars	42	150	57%	B
Gem'X	**44**	**109**	**84%**	**B**
G-LOC R360	38	92	44%	
Gobliiins	38	60	81%	
Gobliins 2	42	141	82%	
Graham Gooch Cricket	47	58	78%	
Graham Taylor's Soccer	37	75	82%	
Guy Spy	38	92	48%	
Hero Quest	**45**	**97**	**86%**	**B**
HistoryLine 1914-1918	43	104	94%	FG
Hoi	38	92	72%	
Hook	38	57	48%	
Horror Zombies from the Crypt	37	109	48%	B
Hostile Breed	37	94	78%	
Hudson Hawk	45	98	62%	B
Human Race – Jurassic Levels	47	64	72%	
Indiana Jones & the Fate of Atlantis	**43**	**72**	**92%**	**FG**
International 3D Tennis	38	96	83%	B
International Rugby Challenge	47	64	16%	
International Soccer Challenge	48	87	57%	B
International Sports Challenge	37	64	68%	
International Tennis	45	97	82%	B
International Truck Racing	45	96	41%	B
Ishar A1200 version	48	65	77%	
Ishar – Legend of the Fortress	37	86	76%	

Games of the year

In 12 months we've reviewed 290 games – and that's not including all the round-ups, compilations and ones on CD! Here's the lot of 'em.

GAMES ROUND-UPS

We review and rate games of the same genre against each other to judge which are the best of the bunch.

Name	issue	page
Driving games The top Amiga car racing games	37	48
Platform games Just what is a platform game?	37	57
Films as games What's in a name?	38	54
CD titles Amiga CD at a glance	39	35
Multi-player games How to hook up and play	40	66
Budget Classics The world of the cheap and fun	41	83
The best games ever (and how to play them) Bumper Gamebuster special	42	164
A1200 games round-up Classics on the new machine	47	84
On-line games Round-up of games you can play via modem	45	48



Zool wasn't released in time for our round-up of what makes a good platform game, but it's the perfect example.

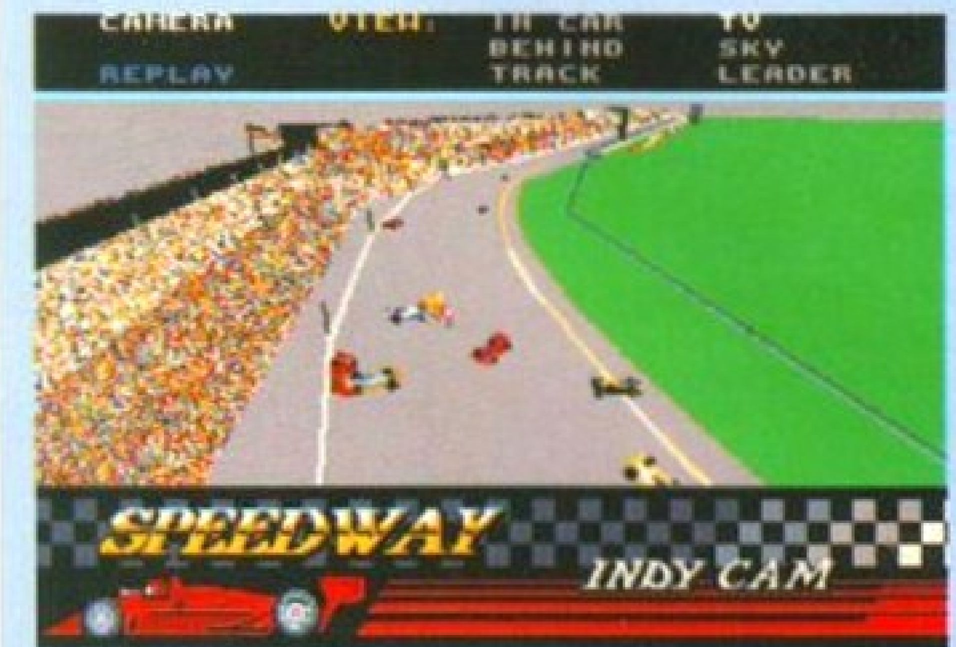


***Pinball Fantasies* got *AF* addicted to pinball, and even more man hours were lost to it than with *Sensible Soccer*!**

Italy 1990	37	108	70%	
Jaguar XJ220	**37**	**51**	**83%**	
Jahangir Khan Squash	41	88	64%	B
Jim Power in Mutant Planet	37	65	85%	
Joe and Mac: Caveman Ninja	43	89	74%	
John Barnes European Football	37	84	42%	
KGB	**42**	**132**	**91%**	**FG**
Knightmare	46	92	85%	B
Krusty's Super Fun House	43	88	85%	
Kwik Snax	39	114	80%	B
Leeds United Champions!	**42**	**148**	**32%**	**B**
Legend	46	92	88%	B
Legend of Kyrandia	42	108	87%	
Legend of Valour	44	90	91%	FG
Lemmings 2 – The Tribes	46	54	94%	FG
Lethal Weapon	43	68	64%	
Links Bountiful	38	85	88%	
Links Firestone	38	85	89%	
Lionheart	45	88	87%	
Liverpool	39	95	45%	
Locomotion	42	133	19%	
Lost Dutch Mine	47	93	74%	B
Lotus Turbo Challenge III	40	72	76%	
M1 Tank Platoon	**48**	**88**	**75%**	**B**
Match Of The Day	40	107	56%	
McDonaldland	41	133	44%	
MegaTraveller 2	38	69	82%	
Megafortress	38	74	77%	
Metal Mutant	46	94	44%	B
Millemiglia	37	64	51%	
Moonstone	46	92	72%	B
Morph	48	68	81%	
Motörhead	42	137	76%	
Myth	37	65	58%	
Narco Police	**39**	**115**	**63%**	**B**
Neighbours	37	64	24%	
Nick Faldo's Championship Golf	43	90	90%	FG
Nicky Boom	42	117	88%	
Nigel Mansell's World Champ	42	102	55%	
Nigel Mansell's WC A1200	47	84	55%	
Nippon Safes Inc	47	78	80%	
No Greater Glory	42	117	50%	
No Second Prize	41	120	80%	
North and South	37	109	84%	B
Oh No! More Lemmings	**42**	**148**	**80%**	**B**
Omar Sharif's Bridge	38	93	58%	
Operation Combat	39	114	79%	B
Operation Stealth	42	150	66%	B
Paladin II	**41**	**140**	**69%**	
Panzer Battles	37	95	69%	
Paperboy 2	39	94	44%	
Pictionary	47	92	45%	B
Pinball Fantasies	41	128	90%	FG
Pipemania	44	108	83%	B
Piracy	43	65	50%	
Pirates	48	90	70%	B
Plan 9 From Outer Space	39	78	45%	
Popeye 2	39	115	68%	B
Populous Promised Lands	47	91	89%	B
Populous II: Challenge Games	41	97	80%	
PP Hammer	44	108	72%	B
Premiere	39	88	89%	
Premier Manager	43	58	87%	
Prince of Persia	45	98	74%	B
Push-Over	38	84	86%	
Putty	40	82	95%	FG
Ragnarok	**45**	**61**	**60%**	
Rampart	41	104	75%	
RBI 2 Baseball	45	98	82%	B
Reach for the Skies	48	82	90%	FG
Red Zone	40	108	64%	
Rick Dangerous 2	48	89	86%	B
Road Rash	41	116	84%	
Robin Hood – Legend Quest	45	98	65%	B
RoboSport	40	69	90%	FG
Rodland	48	87	85%	B
Rome AD92	40	92	77%	
Sabre Team	**41**	**132**	**87%**	
Scrabble	46	86	84%	
Sensible Soccer 92/93	42	141	80%	
Seymour goes to Hollywood	38	96	77%	B
Shadow Dancer	48	90	53%	B
Shadow of the Beast 3	41	96	58%	
Shadoworlds	41	110	85%	
Sherman M4	37	108	74%	
Shoot Em Up Construction Kit	39	114	88%	B
Shuttle	41	102	70%	
Sim City – Future Cities	38	97	78%	B
Sim City – Ancient Cities	38	97	78%	B
Sim City Terrain Editor	38	97	75%	B
Sim Earth	39	100	79%	
Simpsons – Bart vs The Space Mutants	47	91	83%	B
Sink or Swim	47	68	73%	
Sleeping Gods Lie	38	97	60%	B
Sleepwalker	44	60	91%	
Sleepwalker A1200 version	47	84	89%	
Smash TV	45	96	89%	
Soccer Pinball	40	110	46%	B
Sooty and Sweep	39	114	80%	B
Space Crusade: Voyage Beyond	45	83	72%	
Spellbound Dizzy	42	151	77%	B
Starblade	48	89	51%	
Steel Empire	37	79	63%	
Storm Master	46	92	89%	B
Streetfighter 2	43	82	87%	
Strike Fleet	47	91	88%	B
Striker Manager	39	95	62%	
Super Monaco Grand Prix	40	110	80%	B
Super Ski 2	48	90	68%	B
Super Tetris	38	89	68%	
SuperCars 2	41	88	82%	B
Superfrog	47	56	85%	
Switchblade 2	41	88	79%	B
Sword of Honour	39	107	67%	
Sword of Sodan	47	92	52%	B
Team Suzuki	**37**	**109**	**87%**	**B**
Tearaway Thomas	44	72	64%	
Tennis Cup 2	38	93	80%	
Terminator 2	46	94	69%	B
Test Drive 2 – The Duel	46	94	62%	B
The Brides of Dracula	48	88	54%	B
The Chaos Engine	45	58	90%	FG
The Humans	42	114	72%	
The Perfect General	37	70	82%	
The Plague	47	92	38%	B
The Power	44	108	74%	B
Tiny Skweeks	41	140	81%	
Tom Landry Strategy Football	47	60	72%	
Total Recall	40	111	79%	B
Touchdown	39	85	65%	
Traders	39	84	70%	
Transarctica	45	82	60%	
Transarctica A1200 version	48	72	60%	
Treasures of Savage Frontier	41	111	49%	
Trivial Pursuit	46	94	62%	B
Troddlers	42	116	82%	
Trolls	44	86	80%	
Trolls A1200 version	47	85	85%	
TV Sports Baseball	37	60	67%	
TV Sports Baseball	43	108	65%	B
TV Sports Boxing	43	108	46%	B
Ugh!	**37**	**60**	**88%**	
Utopia – The New Worlds	39	84	74%	
Vector Storm	**45**	**61**	**60%**	
Video Kid	45	96	83%	
Vikings	38	79	62%	
Walker	**46**	**84**	**81%**	
Warriors of Releyne	38	78	59%	
Waxworks	43	89	72%	
Ween	42	137	50%	
Whale's Voyage	47	70	80%	
Wing Commander	44	94	83%	
Winter Supersports 92	38	65	65%	
Wizkid	37	54	93%	FG
Woody's World	47	82	84%	
World Champ Boxing Manager	41	88	60%	B
Worlds of Legend	48	60	88%	
WWF European Rampage	43	64	18%	
WWF Wrestlemania	48	89	43%	B
Zool	**39**	**74**	**95%**	**FG**
Zool A1200 version	47	84	85%	
Zyconix	41	140	75%	

COMPILATIONS – MORE GAMES FOR YOUR MONEY

Most compilations we've looked at offer more games for your money, and budget prices. But as we all know – it's quality, not quantitiy that counts, so take a look at this list of compilation games that we've put to the test this year to find out which ones are really worth looking out for...



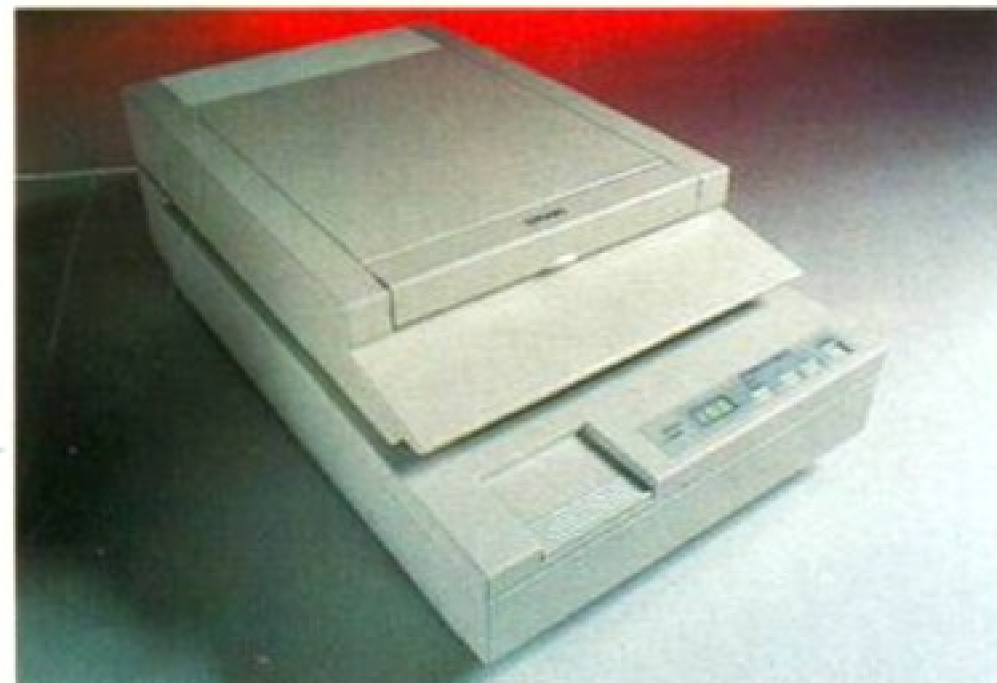
***Indy 500* speeds its way to the top as part of the SportsMasters package which scored a massive 90%.**

Name	issue	Page	Score	
Action Sport	45	97	70%	B
Killerball, Superski 2, Grand Prix 500, Advantage Tennis				
Cartoon Collection	37	109	84%	
Spike in Transylvania, CJ's Elephant Antics, Treasure Island Dizzy, Seymour Goes to Hollywood, Slightly Magic				
Combat Classics	42	150	88%	B
F-15 Strike Eagle, Team Yankee, 688 Attack Sub				
Fantastic Worlds	43	110	82%	B
Populous, Mega-lo-Mania, Pirates, Realms and Wonderland				
Mega Mix	44	110	70%	B
Ork, Leander, Agony				
Quattro Power Machines	46	95	68%	B
Violator, Grand Prix, Pro Powerboat, Nitro Boost Challenge				
Raving Mad	43	111	89%	B
Rodland, James Pond – Robocod, Mega Twins and a free Kixx game				
SportsMasters	44	111	90%	B
PGA Tour, Indy 500, Advantage Tennis, European Championship 1992				
Strategy Masters	43	110	76%	B
Spirit of Excalibur, Battle Master, Hunter, Chessplayer 2150 and Populous				
Super All-Stars	43	108	75%	
Steg the Slug, Magicland Dizzy, Captain Dynamo, CJ in the USA, Robin Hood Legend Quest				
Super Fighter	43	109	46%	B
Pitfighter, Final Fight and WWF Wrestmania				
The Dream Team	43	109	70%	B
The Simpsons: Bart vs The Space Mutants, Terminator 2, WWF Wrestlemania				
The Grandslam Collection	42	147	57%	B
10 games in one box! The Running Man, Scramble Spirits, Saint and Greavsie, The Flintstones, Espionage, Terry's Big Adventure, Trivia, Peter Beardsley's Football, England Football, Terramex				
The Greatest	46	93	91%	B
Dune, Lure of the Temptress, Jimmy White's Snooker				
Tri Star Simulations	40	111	43%	B
Turbo Trax, Airball, Major Motion				

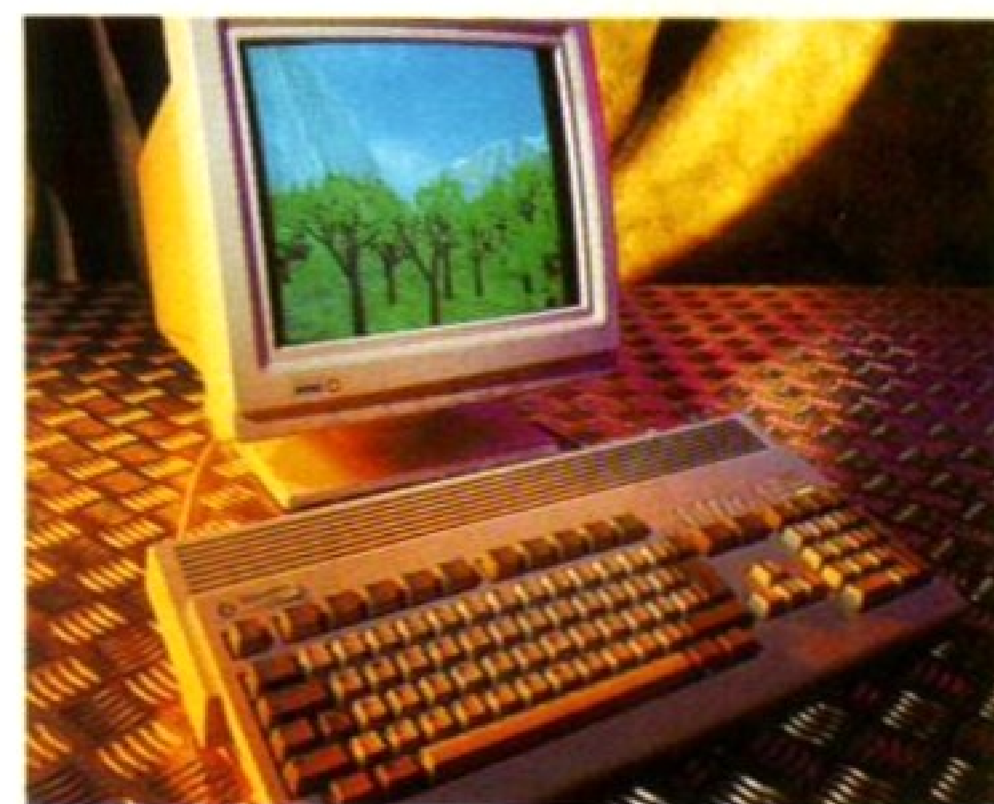
HARDWARE REVIEWS

With the A4000/030 and A1200 making their mark this year, we certainly had a lot to write about on the hardware front. But this section is not just about machines, it's also about monitors, printers, hard drives, samplers, accelerators... the list is endless.

Name	issue	Page	Score
A1200 Control Centre Control centre	48	139	75%
AD 1012/Studio 16 Direct to disk recording system	38	146	73%
Alfa Data Optical Mouse Mouse	38	159	64%
Alfa Data Scanner Mono hand scanner	40	164	79%
AlfaPower HD External IDE hard drive	45	130	87%
AMax-II Plus Mac emulator	38	128	91% FG
AMINet Networking system	37	170	85%
Amstrad SM24000 Modem	38	137	77%
AVideo 24 24-bit display board	38	148	80%
Brush Mouse Brush mouse	**39**	**167**	**65%**
Canon BJ-10SX Printer	**48**	**138**	**95% FG**
Canon BJ-20 Printer	39	146	95% FG
Canon BJ-200 Printer	48	138	95% FG
Canon BJ-300 Printer	39	146	78%
CBM 1084S Monitor	38	122	80%
CBM 1085S Monitor	38	122	75%
CBM 1960 Multisync monitor	38	124	72%
CBM 21FST Multisync Multisync monitor	38	124	75%
CBM A2386SX bridgeboard PC emulator	37	148	86%
CBM A570 CD Interface CD-ROM drive	39	32	92% FG
CBM MPS1550C Printer	39	145	48%
CDTV 2Mb RAM conversion RAM expansion	38	41	75%
CDTV – HD CDTV hard drive	41	197	45%
Citizen 224 Printer	39	144	78%
Citizen 240C Printer	39	145	90% FG
Citizen Notebook Printer	39	143	82%
Citizen ProJet Printer	39	147	85%
Citizen Swift 24x Printer	39	143	60%
Citizen Swift 9/9x Printer	39	142	84%
Dataflex Design Pocket Biscom Modem	**38**	**136**	**63%**
Datel Action Replay III Utility cartridge	38	152	90% FG
Datel Real Time Digitiser	40	192	66%
Datel Realtime Colour Digitiser Video grabber	38	144	66%
Datel Video Digi 2 Digitiser	40	191	90% FG
DCTV Digitiser	40	191	85%
Dream GMX-1 G-MIDI Sound Module	44	142	86%
Dutch Kolff Computer Systems board PC emulator	37	148	80%
Emplant Colour Macintosh emulator	**48**	**120**	**85%**
Epson EPL-4000 Printer	39	147	80%
Epson GT-65000 Scanner	44	154	97% FG
Epson LQ570 Printer	39	144	80%
Epson LX400 Printer	39	142	50%
External CDTV	44	51	83%
Fujitsu DL1100 Printer	**39**	**146**	**76%**
Geni Trac Trackball Mouse	**38**	**160**	**82%**
Genius Happy Mouse	38	158	82%
Golden Image Mouse	38	158	90% FG
GVP A1230 Turbo Plus Accelerator	45	128	86%
GVP A530 Hard Drive/accelerator	38	36	94% FG
GVP G-Lock Genlock/Video Switcher	47	119	93% FG
GVP Impact Vision 24 v2 Graphics and video system	48	116	87%
GVP PC286 PC emulator	37	148	78%
Hyundai HMD2401 Modem	**38**	**136**	**74%**
ICD AddHard Accelerator	**44**	**50**	**30%**
ICD Adspeed/ADIDE Hard drive	38	37	78%
ICD Flicker Free Video 2 Flicker fixer	38	37	84%
JCL ColourPic Plus Digitiser	**40**	**188**	**91% FG**
Jin Mouse	38	158	30%
Logic 3 FreeWheel Analogue Joystick	**44**	**105**	**69%**
Logic 3 FreeWheel Digital Joystick	44	105	52%
Logitech Kidz Mouse Mouse	38	158	77%
Marconi Mouse RB2 Trackball	**38**	**160**	**48%**
Mega Mouse	38	159	90% FG
MicroBotics MBX1200 Accelerator	45	128	79%
Microdeal Clarity 16 Stereo sampler	44	149	41%
Microdeal VideoMaster Video digitiser and sampler	43	136	85%
Naksha Mouse	**38**	**159**	**89%**
NEC MultiSync 4FG Mouse	38	125	93% FG
NewTek DigiView Gold Digitiser	40	188	90% FG
Oki OL400 LED printer	**43**	**148**	**90% FG**
OpalVision True colour 24-bit art package	41	178	96% FG
Pace Linnet Quad Modem	**38**	**137**	**65%**
Pace Ultralink Quad Modem	38	136	66%
Panasonic KXP1123 Printer	39	143	80%
Panasonic KXP1124i Printer	39	144	88%
Panasonic KXP1170 Printer	39	142	80%
Philips 7CM3209 Multisync monitor	38	124	76%
Philips Book TV Monitor	38	120	85%
Philips CM8833 Mk2 Monitor	38	123	92% FG
Philips Cube Monitor	38	120	90% FG
Power Contriver Mouse Mouse	38	158	72%
Power Floptical Alternative Disk drive	44	47	80%
Power HD Drive High density drive	48	123	93% FG
Power Magneto Optical Drive Disk drive	44	47	95% FG
Power colour hand scanner Scanner	44	154	79%
Protar A500 HD Hard drive	38	38	87%
Reference 40/100 Hard drive	**44**	**46**	**84%**
Retina Graphics board	47	116	88%
Rockey Chroma-key system	42	210	90% FG
Roctec Mouse	38	159	74%
Seikosha SP2400 Printer	**39**	**143**	**89%**
Snapshot RGB Digitiser	40	192	78%
Squik Mouse Mouse	38	159	80%
SSL B5000 25Mhz 68030 Plus 68882 Accelerator	38	38	80%
Star LC20 Printer	39	142	65%
Star LC200 Printer	39	145	82%
Star LC24-20 Printer	39	144	85%
Star LC24-200 Printer	39	146	77%
Star Laserprinter4 Printer	39	147	78%
Star SJ48 Printer	39	147	65%
Star XB24-200 Printer	39	145	75%
Supra 9600 Modem	38	137	90% FG
Supra Faxmodem V32BIS Modem	38	138	93% FG
TKB Mouse Mouse	**38**	**160**	**71%**
Vanilla Monitor Multisync monitor	**47**	**143**	**85%**
Victory Mouse Mouse	38	160	75%
VIDI Complete Colour Solution Digitiser	40	187	92% FG
Video Backup System Hard drive back-up	45	140	93% FG
Vidi-Amiga-12 Colour video digitiser	41	188	88%
VLab Digitiser	40	187	96% FG
Vortex AtOnce Plus board PC Emulator	37	148	75%
Zappo disk drive Disk drive	**42**	**212**	**85%**
Zappo hard drive Disk drive	42	212	87%



Awarded 97 per cent, Epson's GT-65000 scanner is the highest scoring hardware ever in the history of *AF*.



The low-cost, but high performance Vanilla multisync monitor was given the thumbs up in issue 47.

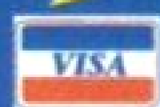
FED UP WAITING?

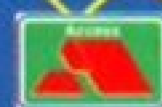


COMPUTER MATES (UK) LTD.

JUST ADD £2.00 TO YOUR TOTAL ORDER FOR A GUARANTEED
* NEXT DAY DELIVERY TO YOUR DOOR
(* ORDERS MUST BE PLACED BEFORE 3.30pm excluding weekends)

All disks can be supplied formatted and ready to use for any IBM machines for as little as 4p per disk.





CHEQUES/POSTAL ORDERS TO:
COMPUTER MATES (UK) LTD.
PINEWOOD STUDIOS, IVER HEATH
BUCKS, SL0 0NH
TEL: 0753 553535 (3 lines) FAX: 0753 553530

ALL PRICES INCLUDE V.A.T. & DELIVERY

FUJI FILM BRANDED DISKS

5.25" (360K)	5.25" (1.2 MEG)	3.5" (720K)	3.5" 2 MEG(1.44)
£5.00	£7.00	£6.50	£12.00

LOOK GREAT DEALS ON FUJI
3.5" MF2DD 5 BOXES DISKS ONLY £29.50
3.5" MF2DD 10 BOXES 100 DISKS ONLY £55.00
1.44 MF2HD 5 BOXES 50 DISKS ONLY £50.00
1.44 MF2HD 10 BOXES 100 DISKS ONLY £95.00
AND £2.00 OFF ANY STORAGE BOX WITH PURCHASE PRICE OF £6.50 OR MORE

COMPUTER PAPER

2000 SHEETS PER BOX 80gsm	1 BOX	2 BOXES	3 BOXES
A4	£21.00	£38.00	£55.00
A3	£39.00	£75.00	£110.00

NEW JUST APPOINTED DEALER

GOLD MASTER BRANDED
2 FOR 1 LIFE TIME WARRANTY

	1 MEG MF-2DD	2 MEG MF-2HD
1 BOX	6.50	13.00
2 – 5 BOXES	6.00	12.50
6 – 10 BOXES	5.50	12.00

DATA CARTRIDGES

DC300A	£17.05	DC6320	£24.00
DC300XL	£17.50	DC6525	£28.00
DC300XLP	£15.50	DC1000 10Mb	£16.50
DC300EXL	£18.70	DC1000 20Mb	£16.50
DC600A	£15.50	DC2000	£13.50
DC6150	£17.50	DC2080	£16.50
DC6250	£24.00	DC2120	£16.50

QUANTITY DISCOUNTS: PLEASE CALL OR FAX

3.5" MITSUBISHI BULK MEDIA LIFE TIME WARRANTY

	DSDD	DSHD
50 Disks	£23.00	£35.00
100 Disks	£42.00	£65.00
200 Disks	£77.00	£127.00
500 Disks	£177.00	£297.00
1000 Disks	£330.00	£590.00

INCLUDES LABELS
NOTE: The above disk are based on > 55% clipping level, cheaper disks are available – please call.

5.25" BULK DISKS

Packed in 25's with Envelopes, Labels, Lifetime Warranty

COLOURED DISKS ALSO AVAILABLE

	48tpi	96tpi	HD
25 Disks	£8.50	£8.75	£12.00
50 Disks	£16.00	£16.25	£23.00
100 Disks	£28.00	£27.25	£36.00

1000+ PLEASE CALL

QUICKSHOT JOYSTICKS

MULTI SYSTEM
QS11A Turbo 2 ....£9
QS149 Intruder 1 ....£25
QS128F Maverick 1 ....£14
QS155 Aviator 1 ....£27.50
QS131 Apache 1 ....£7
QS130F Python 1 ....£9.50
QS127 Starfighter Pair Remote Control..£36.50
NINTENDO
QS130N Python 2 ....£9.50



Up to £3.00 OFF above Joysticks with another purchase above £15.00

MICE/TRACKERBALLS

PS2 MOUSE £21.00
AMIGA/COMMODORE £19.00
ATARI MOUSE £19.00
ATARI/AMIGA TRACKBALL £22.00
MOUSE MAT £2.50
MOUSE POCKET £2.50
MOUSE STAGE £10.00
MOUSE MAT HARD £3.50
PAPER TRIMMER £5.00

Victory

STORAGE BOXES

3.5" DISK CAPACITY		5.25" DISK CAPACITY	
140	£11.50	140	£9.00
120	£9.50	120	£8.50
100	£7.90	100	£7.50
80	£7.50	50	£6.50
50	£6.50		
40	£6.00		

STACKABLE BOXES

Disk	Name	Cap	
3.5"	Banx	80	£12.99
Dual	Banx 5	130/180	£14.99
3.5	Bimby	200	£18.99
5.25	Bimby5	200	£18.99

BIMBY BOXES CAN ALSO HOLD 3 2.8" VIDEO TAPES, CARTRIDGES
ALL ABOVE BOXES LOCKABLE + 2 KEYS.
£2 OFF 1ST BOX WHEN ORDERING 100 BULK DISKS OR MORE
3.5" or 5.25" 10 Cap...£1.50. 5 Cap...£1.15. 1 Cap...50p
Cardboard Disk Masters...£150/1000 or £25/100

COMPUTER MATES BRANDED DISKS

2 FOR 1 LIFE TIME WARRANTY

3.5" DISKS

	DSDD	DSHD
50 Disks	£25.00	£37.00
100 Disks	£47.00	£71.00
200 Disks	£87.00	£139.00
500 Disks	£202.00	£327.00

COMPUTER DESK...£90.00



COMPUTER CHAIR...£40.00

DUST COVERS

AMIGA/ATARI £6.00
12" or 14" MONITOR £6.00
80 or 132 PRINTER £6.00
LAZER PRINTER £6.00
84 or 102 KEYBOARD £6.00
TOWER CPU £6.00

DUST COVERS FOR MOST SYSTEMS – PLEASE CALL

SPECIAL OFFERS THIS MONTH

LOOK SAVE YOUR EYES

12" or 14" COLOUR OR MONO FILTER SCREEN
SAVE YOUR EYES ....Only £13.99
Optical Glass Filter 14" £25.00
Optical Glass Filter 20" £35.00
12" or 14" TILT & TURN WITH HANDY KNOB
MONITOR STAND £15.95

PRINTER STANDS 5 DIFFERENT TYPES

PRINTER STAND (Feet)
80 or 132 COLUMN £8.00
IBM PRINTER LEADS £5.00
....JOYSTICKS ALL MACHINES P/C
LABELS 5.25" OR 3.5" (WITH W/P)
100 £1.00, 1000 £8.00. SINGLE OR MULTICOLOUR AVAILABLE

CLEANING ACCESSORIES

MINI VACUUM CLEANER £7.00
MONITOR CLEANING SOLUTION £3.00
3" CLEANING KIT £3.00
HEAD CLEANER 3.5" or 5.25" .£2.50
ALL THE ABOVE & MORE....£11.00

DATA SWITCH BOXES

CENTRONICS OR SERIAL ....
2 WAY 15.00
4 WAY 20.00
DATA SWITCH LEADS ..8.00 each

COPY HOLDERS

A4 Desk Top Anglepoise ..£15.99
A4 Anglepoise G-clamp....£15.99
A4 Desk Top £8.00
Paper Clip Monitor Side £4.00
Paper Clip Monitor Top £5.00

PRICE BREAKTHROUGH ON HAND HELD VIDEO GAMES



GAMES AVAILABLE AT ONLY £12.99

P.52 Sea Battle, Grand Prix, Challenger Tank, Brain Power, Carrier, Linear Racing, Super Block, Snake, Hashblock/Eagle-plan, Honey Bee, Space Fighter, Alien, Tennis Pro, Olympic Trails, Police Bust, Pacboy, Block Buster

£39.99 inc.

SUPPLIED WITH:
★ CRYSTBALL GAME
★ BATTERIES
★ STEREO EAR PHONES

SPECIAL PACK OFFER
BUY 4 GAMES – CHOOSE ANY OTHER TITLE FREE

LOOK!

VIDEO TAPES, E180, LIFETIME WARRANTY, 3 HOURS
10 FOR £20; 50 FOR £90

RETAIL PACKED BLUE BOX DISKS

ALL BLUE BOX DISKS ARE COMPLETELY PACKAGED IN BLUE PRINTED CARDBOARD BOXES WITH LABELS. 100% GUARANTEED FOR LIFE

3.5" 720K-880K
MF-2DD 10's 1 Meg
1 Box £5.00
MF-2DD 30's 1 Meg
1 Box (30) £14.00
BAMBI-2DD 1 Meg
25 Disks in 25 Capacity Storage Box
1 Box £14.00

3.5" 1.44 Meg
MF-2HD 10's 2 Meg
1 Box £8.50
MF-2HD 30's 2 Meg
1 Box (30) £21.50
BAMBI-2HD 2 Meg
25 Disks in 25 Capacity Storage Box
1 Box £21.00

5.25" DISKS
M-2D 48TPI 360K
1 Box (10) £4.00
M-2DD 96TPI 720K
1 Box (10) £4.75
M-2HD 1.6 Meg H/D
1 Box (10) £5.00
10% DISCOUNT GIVEN ON 10 BOXES OR MORE

CALL SAM OR PAT NOW! ON 0753 553535

FED UP WAITING? ALL ORDERS ARE NORMALLY DELIVERED TO YOU WITHIN 48 HOURS
ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

OPEN SUNDAY 10-3PM.

TRILOGIC

City centre · Odsal Top · Railway Bridges · New Wks Rd · We are here. · A638 Bradford · M606 · M62 Hull · A58 Leeds · A641 Huddersfield · A58 Halifax · M62 Manchstr · 26

CALLERS WELCOME - OPEN 7 DAYS.
Open Mon Fri 8am-6pm, Sat 8am - 4pm. OPEN SUN 10-3pm
We're easy to find, just 1.5miles from the M62. Easy parking. Leave M62 at junction 26, take A638 to Bradford, uphill, after about 1.5 miles, past the park & just over a railway bridge, turn left onto New Works Rd. We're on the left 400yds further on opposite a PO mail box.
Please note to avoid disappointment: Our technical & customer services personnel are not available to answer your queries or assist with any problems on Sundays

UNIT 1,
253 NEW WORKS RD,
BRADFORD, UK,
BD12 0QP Est 1984
FAX 0274 600150

SALES
0274 69 11 15
OPEN EVERY DAY

ACCESS VISA
SWITCH DELTA
CONNECT AMEX*

FAST PROFESSIONAL MAILORDER SERVICE
SAMEDAY DESPATCH

1) Order by phone using your credit, charge, or debit card.
2) Order by Mail - sending cheque bankers draft or postal orders payable to TRILOGIC.
3) Please add part postage & packing of £1.00 to small orders under £100 or £2.00 to small orders over £100.
Large/heavy or fragile items sent by overnight carrier only +£5.50.
Overnight carrier - any order +£5.50 Uk Mainland only. Scottish Highlands £7.50; N.IRELAND. +£10.00; EIRE +£20
UK Saturday delivery - add £12.00 (Not available to Scottish Highlands) Goods remain our property until paid for in full.

EXPORT ORDERS WELCOME
None EC countries - deduct 15% & add carriage. For EC Countries - UK vat must be charged from 1-1-93. Please contact us for carriage charges.
*AMEX SUBJECT TO 2% SURCHARGE
*Subject to goods being in stock.

MICE & JOYSTICKS

ULTIMATE PRO ANALOGUE JOYSTICK NOW £19.99
Superb low cost smooth action Analogue joystick with fire button on the end, plus presttable X & Y trimmers, Microswitch fire buttons; autofire (not all games support autofire) Ideal for flight simulators etc (Not all games support analogue joysticks)

MOUSE / JOYSTICK PORT SWITCH £12.99
- Has sockets for mouse & joystick.
- Push button selects mouse or joystick.
- Uses no power unlike other types.
- Saves wear & tear on mouse port.

AMIGA TRACKBALL	£34.99
BUDGET REPLACEMENT MOUSE	£15.99
OPTICAL MOUSE	£37.99
PYTHON JOYSTICK	£9.99
TOPSTAR JOYSTICK	£19.99
MEGASTAR JOYSTICK	£21.99
SUPERSTAR JOYSTICK	£13.99
ZIPSTICK AUTOFIRE	£12.99
SPEEDKING AUTOFIRE	£11.99
SPEEDKING ANALOGUE	£14.99
PRO 5000 BLACK	£12.99
SPEEDKING ANALOGUE	£11.99
MOUSE MAT	£3.99
MOUSE HOLDER	£1.99
JOYSTICK EXTENSION LEAD (3m)	£7.99pr
2 PLAYER ADAPTORS	£7.99
PC ANALOG JOYSTICK CONVERTER	£7.99
Use PC analogue joystick on Amiga.	
PC ANALOGUE JOYSTICK	£14.99

DISKS & BOXES

TOP QUALITY BLANK DS/DD 3.5" DISKS (DYSAN) IN BOXES OF 10 WITH LABELS.

1 PACK OF 10 IN STORAGE BOX	£6.99
2 PACKS OF 10 IN STORAGE BOX	£11.99
5 PACKS OF 10 IN STORAGE BOX	£29.99
10 PACKS OF 10 IN STORAGE BOX	£54.99
1PK OF 10 DS/HD 3.5" DISKS	£11.99
ROLL OF 1000 DISK LABELS	£12.99

3.5" LOCKABLE DISK BOXES ETC.

HOLDS 40/50 DISKS HINGED LID	£6.99
HOLDS 80 DISKS HINGED LID	£7.99
HOLDS 100 DISKS HINGED LID	£8.99
HOLDS 260 DISKS DRAWER TYPE	£25.99
HANDY 20 SIZE FLIP TOP BOX	£1.99
3.5" DRIVE HEAD CLEANER	£3.99

DIGITISERS, GENLOCKS, SCANNERS

GVP GENLOCK NEW LOW PRICE £294.99
Composite or S-video inputs & outputs; Keyer capability; Built-in RGB splitter for use with video Digitisers; audio input switching. Software & Arexx controlled. SUPERB!

ROCGEN PLUS £139.99
A superb value Genlock with overlay & fader controls.
ROC KEY Chroma keying unit £269.99
The ideal partner for the RocGen Plus.

VIDI 12 FRAMEGRABBER & RGB SPLITTER	£84.99
VIDI 12 + TAKE 2 + MEGAMIX MASTER	£164.99
VIDEOMASTER SOUND & VIDEO DIGITISER	£54.99
SUPERPIC COLOUR FRAME GRABBER & GENLOCK	£499.99
COLOURPIC COLOUR FRAME GRABBER/DIGITISER	£399.99
RENDALE SUPER 8802 SVHS GENLOCK	£493.99
RENDALE 8802FMC GENLOCK wit faders + key modes	£179.99
RENDALE 8802 GENLOCK - LOW COST HI QUALITY	£134.99
GVP IV 24 24BIT GRAPHICS CARD for A1500/2000	£989.99
CBM DISPLAY ENHANCER FOR A1500/2000 BARGAIN	£99.99
DC TV	£349.99

NICAM STEREO TV TUNER £154.99
CONVERT YOUR 8833 OR 1084 INTO A STEREO TV WITH FULL REMOTE CONTROL. SUPERB PICTURE & SOUND.

HAND SCANNER b/w upto 400dpi £115.99

ALL PRICES INCLUDE VAT

SAVE £££S WITH OUR SUMMER SPECIALS

	NOW	SAVE
ADVANTAGE	£59.99	£8
PAGESTREAM 2.22	£69.99	£20
WORDWORTH 2AGA	£74.99	£10
DISKMASTER II	£34.99	£10
HOME ACCOUNTS 2	£34.99	£5 .
MUSIC X 1.1	£19.99	£5
QUARTET	£29.99	£5
SUPERJAM	£39.99	£30!
SCALA 500	£69.99	£5 .
AUDIO ENGINEER 2	£159.99	£10

LOOK OUT FOR OUR OTHER BIG PRICE REDUCTIONS ON....

MIRACLE KEYBOARDS + 2 FREE SONG COLLECTIONS

GVP A500 HARD DRIVES

GVP G-LOCK GENLOCK

ROCLITE RF382 3.5" EXTERNAL DISK DRIVES

40,52 & 105MEG SCSI 3.5" HARD DRIVES. UPGRADE YOU A590 OR GVP FROM £139.99

SPECIAL PRODUCTS

SUPERFI 2 STEREO SYSTEM - HI FI QUALITY **20 WATTS/CH**
A VERY HIGH QUALITY, PROFESSIONAL, & POWERFUL STEREO BOOKSHELF SPEAKER SYSTEM.
Not a cheap 'gimmicky' toy. Perfect for use with most Computers, inc PC sound cards, keyboards, Stereo VCRs, Satellite Systems & Walkmans. Built-in mains supply - no external adaptors req'd. It has Bass, treble & volume controls & comes with connecting leads.
~~ONLY £54.99~~ THIS MONTH - £49.99

- 20WATT /CHANNEL
- BASS CONTROL
- TREBLE CONTROL
- VOLUME CONTROL
- 32-20KHz RESPONSE
- PHONO INPUT SKTS
- CONNECTING LEAD

AMIGA ROM SWITCH FOR A500/500+1500 **NOW £24.99**
Our Keyboard operated Two way Rom switch enables you to use either of 2 Workbench roms. To switch over, just hold down Control/Amiga/Amiga keys until you hear a bleep. (Release them before the bleep to 'warm start' with the current rom. Fits A500/500+/1500/2000. Fitting invalidates computer warranty unless fitted by us. Fitting charge £15.00 Please state which you have Amiga when ordering.
ROM SWITCH & 1.3 ROM only £54.99 ROM SWITCH & 2.04 ROM only £59.99

5 PORT PRO-MIDI INTERFACE £24.99
Our unique 5 port Midi interface has In, Out &Thru sockets plus two additional switchable Out or Thru sockets for ingenious versatility. *So you can have 1 in, 1 out & 3 thru, or 1 in, 1 thru & 3 out, or 1in, 2 outs & 2 thru !*
Fully compatible with all Amiga Midi software, & most keyboards.
Extra Midi leads 1.2m - £1.99 3m - £2.99

STEREO SAMPLER 2 NOW ONLY £34.99
Our Superb sounding STEREO SAMPLER 2 uses an expensive state of the art A/D chip which samples so fast, it **captures every detail** of the sound. Easily adjusted level control, connecting lead supplied. Fully compatible with all popular sampling software. **FREE STEREO SAMPLING SOFTWARE**
FREE 20 SIZE DISK BOX

AMIGA PRINTER PORT EXPANDERS
FOR USE WITH PRINTERS, SAMPLERS, VIDEO DIGITISERS, SCANNERS ETC
These compact fully Switched Expansion boxes enable you to connect upto four peripherals to your computer. The connectors on the units are the same type as the Computer's printer connector so your periperals just plug straight in. A connecting lead worth £10.99 - 2m for use with printers only, or 300mm long if used with Digitisers, scanners & samplers (state which req'd) is supplied free, to link the Expander to the computer. All 25 connections are switched. 36 way Printer sharers are also available - share one printer with 2 or more computers - phone for prices.
2way - £24.99 inc cable 3way - £27.99 inc cable 4way - £29.99 inc cable

TWO WAY SCART SWITCH £17.99
This compact switch box converts most Tvs & Tv monitors to DUAL SCART INPUT. Thus you can connect your Amiga & your VCR to the one scart socket on your Tv. A push button switch selects input one or input two - ie VCR or computer. RGB, Audio & Video inputs are switched. Also suitable for Satellite receivers.

SPARES, ACCESSORIES & MISC ITEMS

KICKSTART 1.3 ROM	£31.99
KICKSTART 2.04 ROM	£39.99
TV MODULATOR (exchange)	£19.99
FATTER AGNUS 8372A	£39.99
SUPER DENISE	£39.99
GARY	£39.99
8520A I/O CHIP	£15.99
1MEG x 9 SIMMS	£34.99
4MEG x 9 SIMMS	£139.99
256Kx4 DRAMS for A590 1meg	£34.99
AMIGA INTERNAL DRIVE	£59.99
MAINS SUPPRESSOR BLOCK 4WAY	£12.99
UPRATED A500 POWER PACK	£44.99
A590 REPLACEMENT PSU	£49.99*
GVP REPLACEMENT PSU	£49.99*
GVP GENUINE PSU	£69.95
EXTERNAL DISK DRIVE PSU	£29.99

* Compatible type - Genuine replacements available - POA

AMIGA SERVICE DEPT
AMIGA 500 REPAIR £49.99
Includes parts & labour, excludes psu, disk drive & keyboard faults. *FAST TURNAROUND*
A520 MODULATOR REPAIR .... £19.99 NEW
REPLACE INTERNAL DRIVE ...... £69.99 inc drive
A500 PSU REPAIR* £29.99
*FIT HARD DRIVE TO 600/1200 .. £15.00**
*(NO charge if fitted at time of purchase.) Add £10 for sameday turnaround (by prior arrangement only). *where spare parts available.*
Call in or send by Insured post enclosing return carriage - see 'How to Order' for carriage charges.

BOOKS & VIDEOS

DISK INCLUDED FREE WITH THESE BOOKS

AMIGA FOR BEGINNERS	£10.99*
AMIGA BASIC INSIDE & OUT	£21.99
AMIGA GRAPHICS	£21.99
C FOR BEGINNERS	£17.95
DESKTOP VIDEO	£18.95*
GRAPHICS INSIDE & OUT	£31.95
MAKING MUSIC ON THE AMIGA	£27.99*
BEST OF AMIGA TRICKS N TIPS	£15.00**

(*=SPECIAL PRICE TO CLEAR)

USER INTERFACE MANUAL	£18.99
HARDWARE REF MANUAL	£21.95
ROM KERNEL REF MANUALS - EACH	£28.95

VIDEOS

MIDI & MUSIC VIDEO	£14.99
DELUXE PAINT 4 VIDEO	£14.99
ADVANCED DELUXE PAINT 4 VIDEO	£14.99

BRUCE SMITH BOOKS

MASTERING AMIGA AREXX	£21.95
MASTERING AMIGA DOS 2 VOL 1	£21.95
MASTERING AMIGA DOS 2 VOL 2	£19.95
MASTERING WORKBENCH 2	£19.95
MASTERING AMIGA C	£19.95
MASTERING AMIGA PRINTERS	£19.95
MASTERING AMIGA ASSEMBLER	£24.95
MASTERING AMIGA SYSTEM	£29.95
MASTERING AMIGA AMOS	£19.95
MASTERING AMIGA - BEGINNERS	£19.95
A600 INSIDER GUIDE	£14.95
A1200 INSIDER GUIDE	£14.95

UNDERSTANDING IMAGINE 2 (includes disk) £29.95

BOOK SALE. (Mostly Amiga Basic books)

ELEMENTARY AMIGA BASIC	£5.00
INSIDE AMIGA GRAPHICS	£5.00
1ST BOOK OF THE AMIGA	£5.00
2ND BOOK OF THE AMIGA	£5.00
AMIGA APPLICATIONS	£5.00

DUST COVERS

'SEAL n TYPE' TYPE THRU KEYBOARD SKIN.
Don't risk spillages - they're guaranteed to 'write off' your Amiga.
Waterproof & moulded to fit snugly over each key, but flexible enough to type thru.
AMIGA 500, 500+,600, 1200, 1500/2000
State which when ordering .. £12.99

ANTISTATIC DUST COVERS

AMIGA 500 & 500 Plus	£4.99
AMIGA 600/600HD/1200	£4.99
AMIGA 1500/2000 2PIECE	£12.99
AMIGA 1500/2000 KEYBOARD	£3.99
8833 /1084 MONITOR	£6.99
SWIFT 9, LC200 PRINTER	£6.99
SWIFT 24/LC24-200	£6.99
CBM1960/CUBSCAN 14"	£7.99

BACKUP UTILITIES

X COPY PRO NEW £34.99
Latest version - complete with NEW Mk 2 Automatic Cyclone external drive adaptor. Highly successful.

Mk1 CYCLONE ADAPTOR £12.99

NB. Making backups without the permission of the copyright holder is illegal.

EDUCATIONAL

MANY TITLES REDUCED

ADI ENGLISH; MATHS; FRENCH	£18.99
ADI JUNIOR RANGE	£14.99
ANSWERBACK QUIZZES - EACH	£14.99
ANSWERBACK JUNIOR/SENIOR	£14.99
BETTER MATHS (12-16)	£17.99
BETTER SPELLING (8+)	£17.99
DATAWORD	£14.99
DISTANT SUNS V4.1	£52.99
FUN SCHOOL4 RANGE	£17.99
FUN SCHOOL SPECIALS	£18.99
FRENCH MISTRESS	£15.99
GERMAN MASTER	£15.99
ITALIAN TUTOR	£15.99
JUNIOR TYPIST (5-12)	£17.99
KIDS ACADEMY:PAINT POT 4/10	£14.99
KIDS ACADEMY:ALVIN PUZZL 6/8	£14.99
KIDS ACADEMY:SHOPPIN BASKT "	£14.99
KIDS ACADEMY:WHICH,WHERE 4/8	£14.99
LETS SPELL SERIES	£14.99
LINKWORD LANGUAGES	£21.99
MATHS TALK (5-13YRS)	£18.99
MATHS TALK FRACTIONS	£18.99
MATHS MANIA	£17.99
MATHS ADVENTURE	£19.99
MICRO MATHS	£18.99
MICRO FRENCH	£18.99
MICRO ENGLISH	£18.99
MICRO GERMAN	£18.99
MICRO SCIENCE	£18.99
MEGA MATHS	£18.99
MONEY MATTERS (4-7YRS)	£14.99
NODDY'S PLAYTIME	£18.99
PLAYDAYS	£18.99
PUZZLE BOOKS 1 & 2	£14.99
READING WRITING COURSE	£18.99
RHYMING NOTEBOOK	£9.99
SPANISH TUTOR	£15.99
TARGET MATHS (4+)	£16.99
VOYAGER 1.1	£54.99

BARGAIN PRICE
EDUCATIONAL COMPENDIUM 6 .. £24.99
- WORDS & NUMBERS
- KID'S TYPE
- GAME SET & MATCH
- WEATHER WATCHER
- WHAT IS IT WHERE IS IT ?
- CALENDAR QUIZ

'MIRACLE' KEYBOARD
"Teaches you how to play"
Includes 4 octave FULL SIZE touch sensitive Keyboard, with Midi interface built-in. + 100 Instrument sounds & effects. + Artificial intelligence software for the Amiga which customises the lessons to each individual.
NOW £249.99
SAVE £50.00

CALL IN OR PHONE FOR OUR GAMES CLEARANCE LISTS

TOP 50 GAMES

A320 AIRBUS NOW ONLY	£25.99
A TRAIN NEW	£25.99
ANCIENT ART OF WARS IN SKIES	£25.99
ABANDONED PLACES 2	£25.99
ARCHER MACLEANS POOL	£18.99
ALIEN BREED SPEC ED	£10.99
ASSASIN	£18.99
BEAVERS	£18.99
BODY BLOWS	£19.99
B17 FLYING FORTRESS	£25.99
CAMPAIGN	£25.99
CHAOS ENGINE	£21.99
CHESSMASTER 2100	£12.99
CHUCK ROCK 2	£18.99
CIVILISATION	£24.99
CREATURES	£18.99
CRAZY CARS III	£18.99
COMBAT AIR PATROL NEW	£22.99
CURSE OF ENCHANTIA	£25.99
CYTRON REDUCED	£21.99
DARKSEED	£26.99
DESERT STRIKE NEW	£21.99
FLASHBACK	£18.99
FORMULA 1 GRAND PRIX	£25.99
F15 STRIKE EAGLE II	£25.99
GRAHAM GOOCHS WORLD CRICKET	£18.99
GOBLIIINS 2	£21.99
HARRIER ASSAULT	£25.99
HISTORY LINE NEW	£24.99
HUMANS	£21.99
HUMANS 2	£21.99
INDIANA JONES & FATE OF ATLAN	£18.99
INDIANA JONES -ADVENTURE	£26.99
JIMMY WHITE'S SNOOKER	£21.99
KGB NEW	£22.99
KNIGHTS OF THE SKY	£26.99
LETHAL WEAPON	£18.99
LEGEND OF KYRANDIA	£25.99
LEGENDS OF VALOUR	£29.99
LEMMINGS 2	£21.99
LION HEART	£20.99
LINKS	DISC
LINKS COURSES	£12.99
LOTUS TURBO 3	£18.99
MONKEY ISLAND 2	£26.99
NICK FALDO'S CHAMPSHP GOLF	£25.99
NIGEL MANSELLS WORLD CHAMP	£21.99
PGA TOUR GOLF +	£21.99
PIRATES	£18.99
POPULOUS 2 PLUS REDUCED	£24.99
PREMIERE	£21.99
PREMIERE MANAGER	£18.99
PROJECT X	£18.99
RAMPART	£18.99
REACH FOR THE SKIES	£22.99
RED ZONE	£18.99
ROAD RASH	£18.99
ROBOSPORT	£21.99
ROME AD'92	£21.99
SENSIBLE SOCCER 92/93	£18.99
SIM ANT	£25.99
SIM EARTH	£25.99

EVERYTHING YOU NEED FOR YOUR AMIGA AT LOW PRICES

ALL SOFTWARE UK VERSIONS

ACTION REPLAY 3, A500 NEW	£56.99
ACTION REPLAY 3 A1500 NEW	£66.99
ADORAGE	£67.99
ADVANTAGE REDUCED	£59.99
AMI BACK	£42.99
AMI SUPERCARD II	£34.99
AMOS	£34.99
AMOS - EASY	£25.99
AMOS 3D	£23.99
AMOS COMPILER	£21.99
AMOS PROFESSIONAL - DOWN TO	£39.99
ART DEPT PRO AGA new version	£169.99
ART EXPRESSIONS NEW	£145.99
AUDITION 4	£37.99
AUDIO ENGINEER 2 reduced.	£159.99
BARS AND PIPES PRO	£269.99
BBC EMULATOR V2 NEW	£31.99
BROADCAST TITLER 2	£169.99
BROADCAST TILTER SUPERHIRES	£299.99
CAN DO V2 NEW VERSION	£94.99
CASHBOOK CONTRLR/FINAL A/CS	£54.99
CROSS DOS V5 REDUCED	£39.99
DAY BY DAY	£22.99
DELUXE PAINT 4AGA NEW	£74.99
DELUXE MUSIC 2 NEW	£54.99
DELUXE VIDEO 3	£74.99
DEVPAC 3	£51.99
DIRECTORY OPUS V4 ONLY	£49.99
DISK MASTER 2 REDUCED	£39.99
EASY AMOS	£24.99
EXCELLENCE 2 REDUCED	£57.99
FINAL COPY 2 r2 NEW VERSION	£74.99
GB ROUTE PLUS - REDUCED	£35.99
GOLD DISK OFFICE 2 REDUCED	£44.99
GALLERY - BARGAIN	£37.99
HIGH SPEED PASCAL	£74.99
HISOFT BASIC	£49.99
HOME ACCOUNTS 2	£34.99
HOMEBASE	£24.99
HOTLINKS REDUCED	£47.99
HOTLINKS EDITIONS REDUCED	£64.99
HYPERBOOK BARGAIN	£44.99
IMAGINE 2 REDUCED	£164.99
IMAGEMASTER -	£129.99
KINDWORDS 3	£36.99
LATTICE/SAS C V6 REDUCED	£219.99
MACRO 68000 ASSEMBLER	£39.99
MEDIA SHOW REDUCED	£49.99
MEGAMIX MASTER	£34.99
MINI OFFICE BARGAIN	£42.99
MORPH PLUS £13 OFF	£142.99
MUSIC X DON'T MISS IT	£19.99
ON LINE PLATINUM	£34.99
ORGANISE	£46.99
PAGESETTER 3	£44.99
PAGESTREAM 2.22 A GIFT AT	£69.99
PENPAL STILL ONLY	£35.99
PERSONAL PAINT	£57.99
PERSONAL FINANCE MANG+	£39.99
PRODATA REDUCED	£69.99
PROFESSIONALPAGE 4 NEW	£129.99
QUARTERBACK 5	£41.99
QUARTERBACK TOOLS	£49.99
QUARTET BARGAIN OFFER	£29.99
REAL 3D PROFESSIONAL	£179.99
SCALA SAVE £5.00	£69.99
SCALA PROFESSIONAL	£209.99
SUPERJAM GIVEAWAY PRICE	£39.99
SYSTEM 3e REDUCED	£54.99
TECHNOSOUND TURBO	£34.99
THE PATCHMEISTER	£67.99
THE PUBLISHER	£37.99
TURBOPRINT PRO V2 NOW ONLY	£35.99
VISTA PRO 3	£57.99
VIDEOMASTER REDUCED	£54.99
WORDWORTH 2 - NEW VERSION	£79.99
XCOPY PRO - LATEST VERSION	£34.99
XCAD 2000 PRICE DOWN	£99.99

SPECIAL OFFERS- LIMITED STOCKS

GFA BASIC	£9.99
CAN DO V1.6	£49.99
MUSIC X 1.1	£19.99

ENHANCED 1200 GAMES

ZOOL 1200	£19.99
TROLLS	£18.99
WING COMMANDER	£26.99
SLEEPWALKER 1200.	£25.99
NIGEL MANSELL1200	£21.99

MORE AMIGA GAMES...

SHADOW OF THE BEAST III	£21.99
SPORTSMASTERS	£21.99
STREET FIGHTER II	£19.99
SLEEPWALKER	£25.99
STRIKER	£18.99
SHUTTLE	£22.99
SUPERFROG	£19.99
SWORD OF HONOUR	£18.99
THE MANAGER	£18.99
TRODDLERS	£18.99
VIKINGS	£25.99
WALKER	£
WING COMMANDER	£26.99
WORLD CLASS CRICKET	£21.99
WWF 2	£18.99
ZOOL	£18.99
ZOOL 1200	£19.99

COMPILATIONS

COMBAT CLASSICS	£21.99
DREAM TEAM	£18.99
LEMMINGS TWIN PACK	£22.99
MEGA SPORTS	£18.99
QUEST & GLORY	£22.99
SIM CITY & POPULOUS	£21.99
SUPERFIGHTER	£18.99

BUDGET AMIGA GAMES FROM £6.99

£5 OFF MOST MEGADRIVE GAMES

MEGADRIVE CD ROM £264.99

POPULAR PC GAMES
DISCOUNT PRICES EG:

COMMANCHE MAXIMUM OVERKILL	£32.99
STRIKE COMMANDER	£35.99
EYE OF THE BEHOLDER	£28.99

PC SERIOUS SOFTWARE.

WINDOWS 3.1	£94.99
TIMEWORKS 3	£144.99
PARADOX SE	£69.99
QUATTRO PRO FOR DOS & WINDOWS	£109.99
WORDSTAR FOR WINDOWS	£109.99
SAGE MONEYWISE	£49.99

ALL PRICES INCLUDE VAT

GOLDSTAR PC OFFER
386SX25 PC WITH 40MEG HD; 2MEG RAM; 14" SVGA COLOUR MONITOR; DOS 5 & WINDOWS + MOUSE; 12MONTHS ON-SITE WARRANTY.
FEW ONLY AT £699+VAT

OFFICIAL ORDERS FROM GOVERNMENT & EDUCATIONAL ESTABLISHMENTS WELCOME. PRICES WERE CORRECT AS OF 3-6-93, but as our crystal ball is broken, some may have changed by the time you read this, due to currency fluctuations & manufacturers/ suppliers price increases. We do make mistakes from time to time too ; E&OE. Please phone if in doubt. (C) TRILOGIC 1993 All rights reserved. All registered Trademarks are acknowledged. Callers are most welcome but please phone first to check availability & avoid disappointment - we try to keep most items in stock unlike some of our competitors and will gladly put items aside for you to collect, but shortages of some items do occur from time to time.

AMIGA 1200HDs A1200 AT LOW PRICES.

		WITH CUBSCAN MONITOR
A1200+40MEG HD	£499.99	SPECIAL OFFER £939.99
A1200+60MEG HD	£559.99	£999.99
A1200+80MEG HD	£589.99	£1029.99
A1200+120MEG HD	£689.99	£1129.99

ANY A1200 COMPLETE WITH BATTERY BACKED CLOCK - ADD £18.00

PRICES INCLUDE 2YR EXTENDED WARRANTY

AMIGA 1200 COMIC RELIEF £379.99

VISIT OUR NEWLY REFURBISHED & ENLARGED SHOWROOM

OPEN SUNDAY 10-3PM

TRILOGIC est 1984

SALES: 0274 691115

NEW LOW COST AMIGA 4000030 RANGE

WITH 80MEG OR 120MEG HDs PLEASE PHONE FOR LATEST PRICES & SPECS

NEW LOW PRICES ON ALL 600s

AMIGA 600 STANDALONE FROM £199.99	AMIGA 600 'WILD, WEIRD WICKED' £229.99	AMIGA 600HD 'EPIC' PACK' 20 OR 40MEG FROM £339.99

AMIGA 500 PLUS - LIMITED STOCKS

STANDALONE
- > BUILT-IN 3.5" DISK DRIVE
- > 1MEG RAM
- > MOUSE
- > TV MODULATOR
- > WORKBENCH 2.04

only £189.99

2Meg versions add just £35.00

CARTOON CLASSICS
- > BUILT-IN 3.5" DISK DRIVE
- > 1MEG RAM
- > MOUSE
- > TV MODULATOR
- > WORKBENCH 2.04

PLUS
- > LEMMINGS
- > CAPTAIN PLANET
- > THE SIMPSONS
- > DELUXE PAINT 3

ONLY £224.99

LOWER HARD DRIVE PRICES

2.5" FAST ACCESS IDE HARD DRIVES FOR YOUR AMIGA 600 or 1200

		ALL - IN PRICE COLLECTION, DELIVERY; DRIVE AND 2YEAR WARRANTY
40MEG only	£119.99	£164.99
60MEG only	£169.99	£214.99
80MEG only	£199.99	£249.99
120MEG only	£299.99	£349.99

PRICE INCLUDES: FITTED FREE while U wait

READY FORMATTED & PARTITIONED DRIVE; DRIVE CABLE; FULL FITTING INSTRUCTIONS & FIXING SCREWS + LEGAL FORMATTING DISK & RECOVERY HINTS.

MAILORDER COLLECTION & DELIVERY SERVICE JUST £19.99

FIT A HARD DRIVE YOURSELF - IT'S EASY AND WITH OUR 2 OR 3 YEAR WARRANTY PLANS, YOU'RE COVERED FOR BOTH BREAKDOWNS & ACCIDENTS.

OUR Specially Negotiated LOW COST NO FUSS Warranties cover *BOTH* COMPUTER & DRIVE FROM ONLY £27.99

* COMPUTER & DRIVE BOTH COVERED
* ACCIDENTS AS WELL AS BREAKDOWNS COVERED
* COVERED EVEN IF DRIVE FITTED BY PURCHASER.
* COVERED EVEN IF COMPUTER NOT PURCHASED FROM US
* VERY FEW EXCLUSIONS
* UNDERWRITTEN BY A LEADING UK INSURANCE Co.

COMPUTERS UPTO £600 - £27.99 for 2yrs or £42.99 for 3yrs.

COMPUTERS UPTO £999 - £32.99 for 2yrs or £67.99 for 3yrs.

Not available for Business users. Exclusions:- theft; wilful damage; cosmetic damage - full written details on request. These are Return to Base warranties. Computer must be under 6 months old. Computer value used to calculate warranty cost must include cost of internal hard drive.

WHY NOT COVER YOUR AMIGA 500, 600, 1200STANDALONE OR 4000 - the prices above apply. Monitors & printers can also be covered -poa.

DON'T BE WITHOUT A WARRANTY......

Commodore have told us that their On-Site warranty will not apply if the Warranty seals are broken by ANYONE including dealers.

PRINTERS

FREE STARTER PACK

WITH ALL CITIZEN SWIFT PRINTERS
1.8m PRINTER CABLE;
+
CITIZEN PRINT MANAGER AMIGA DRIVER SOFTWARE
+
250 (approx) SHEETS OF A4 PAPER

NEW CITIZEN SWIFT 90 £179.99
THIS BRAND NEW MODEL replaces the Swift 9 COLOUR
9pin; Upto 240cps in high speed draft & 54cps NLQ printing speed. 6 NLQ built-in fonts. Friction & tractor feeds. Paper park. Low cost ribbons. 2 year warranty. Epson FX850 & IBM Proprinter III emulations. Low noise level, + 'quiet mode'.

CITIZEN SWIFT 9 COLOUR ONLY £179.99
9pin; 192cps draft, 48cps NLQ printing speed. 4 built-in fonts. Friction & tractor feeds. Paper park. Low cost ribbons. 2 year warranty. Epson & IBM Proprinter emulations. Low noise level.
HURRY LIMITED STOCKS LEFT.

CITIZEN SWIFT 240C COLOUR £284.99
CITIZEN SWIFT 240 MONO £269.99
24 pin; 240cps draft & 80 cps letter quality print speed. 9 fonts, 2 scalable fonts. Paper parking, push & pull tractor feed, friction feed. Epson LQ570, NEC P20 & IBM emulations. Ultra low noise level, + quiet mode for even lower noise. 2 year warranty.
128K RAM EXPANSION £33.99

CITIZEN SWIFT 200 SUPERB MODEL & ONLY £209.99
CITIZEN SWIFT 200 COLOUR £244.99
24 pin; 240cps draft & 80 cps letter quality print speed. Nine letter quality fonts, 2 scalable letter quality fonts. Paper parking, push & pull tractor feed, friction feed. Epson LQ570, NEC P20 & IBM Proprinter24xe emulations. 2 year warranty
128K RAM EXPANSION £33.99

CITIZEN PROJET INKJET LASER QUALITY PRINT £399.99 INC VAT
300dpi Laser quality 50 nozzle INK jet printer. Fast & very quiet. 360cps draft & 240 cps letter quality print speed.Three letter quality fonts + optional font cards. HP Deskjet Plus emulation. Optional 128k & 256k ram cards. 100 sheet automatic feeder.
Ink cartridges £13.99

SEIKOSHA OP 104 budget LASER PRINTER £559.99 inc vat
Four page per minute; HP Laserjet IIP emulation; 300x300 DPI; 1yr on site warranty.
Postscript version with 2meg ram £849.99 inc vat

RICOH LP1200 LASER PRINTER £799.99 inc vat
6 pages / minute; PCL5 with scalable fonts; upto 400dpi resolution (300 standard, 400 requires extra 2meg ram); 2meg ram as standard; straight paper path; resolution enhancement; flash rom for downloading new firmware; IC card slot for flash roms; serial & parallel ports; 1 yr on-site warranty.

AMIGA 1200 MEMORY & CLOCK UPGRADES

A1200 INTERNAL CLOCK MODULE - £19.99
Plus into internal socket (not fitted to all 1200s)- fitting invalidates warranty. BATTERY BACKED.

AMIGA 1200 FAST RAM CARDS

A1200 PCMCIA 2 MEG 16BIT FAST RAM	£149.99
A1200 PCMCIA C 4MEG 16BIT FAST RAM	£224.99

Even 1meg of 32bit fastmem gives approx 100% speed increase.

LOWER PRICES

MICROBOTICS MBX range: No 68881 or memory	£119.99
MICROBOTICS 14MHz inc 0 meg 32bit fast ram	£139.99
MICROBOTICS 14MHz inc 1 meg 32bit fast ram	£199.99
MICROBOTICS 14MHz inc 2 meg 32bit fast ram	£239.99
MICROBOTICS 14MHz inc 4 meg 32bit fast ram	£319.99

Available with or without 68881/2 FPU & fit in the underside trapdoor. Warranty is unaffected.
ALSO AVAILABLE WITH ON-BOARD CLOCK - ADD £20
FASTER 25MHz 68881 VERSIONS ARE ALSO AVAILABLE - PLEASE ADD TO ABOVE PRICES . £50.00
50MHz 68882 version also available. 0 meg £419.99

GVP 32BIT TURBO /MEMORY BOARD for A1200 £479.99
Includes 68030 running at 40MHzplus 4meg 32bit ram. 68882 socket for FPU (included). Has two 32bit simms skts. With no fpu & 0meg £294.99

32BIT SIMMS FOR MBI / GVP / A4000 ETC.

1MEG 32BIT	£59.99
2MEG 32BIT	£99.99
4MEG 32BIT double sided	£179.99
4MEG 32BIT single sided for A4000	£179.99

COLOUR MONITORS

PHILIPS CM8833mk2
ONLY £229.99
- > 14" SCREEN
- > STEREO SOUND
- > RGB & COMPOSITE INPUTS
- > ON SITE WARRANTY
- > LOTUS TURBO CHALLENGE
- > OFFICIAL UK MODEL
- > CONNECTING LEAD FREE

COMMODORE 1084S
£199.99
- > 14" SCREEN
- > STEREO SOUND
- > RGB & CVBS INPUTS
- > SUPERB PICTURE
- > AMIGA LEAD FREE

AMIGA 500 HARD DRIVES

PRICES DOWN

FURTHER REDUCTIONS ON SOME ITEMS

GVP HD8 FOR A500 & 500+ - NO DRIVE	£184.99
GVP SERIES II HD8+ 42 Meg for A500 - PRICE DOWN -	£244.99
GVP SERIES II HD8+ 80 Meg for A500 - PRICE DOWN -	£345.99
GVP SERIES II HD8+ 120meg for A500 - PRICE DOWN -	£389.99
GVP SERIES II HD8+ 210meg for A500 - now only	£575.99

The HD8 series II can accept either 1 or 2 or 4, 1 meg simms; OR two, 4 meg simms.

GVP SERIES II HC8 for A1500/2000 - NO DRIVE	£119.99
GVP SERIES II HC8 + 42meg for A1500/2000	£285.99
GVP SERIES II HC8 + 80meg for A1500/2000	£334.99
GVP SERIES II HC8 + 120meg for A1500/2000 - now only	£409.99
GVP SERIES II HC8 + 210meg for A1500/2000 - now only	£559.99

The HC 8 Series II can accept upto 8, 1meg x9 Simms in 2 meg steps.

MAJOR REDUCTIONS

GVP A530 COMBOS with 42Mb drive	£475.99
GVP A530 COMBOS with 80Mb drive	£575.99
GVP A530 COMBOS with 120Mb drive	£677.99
1MEG *9 SIMMS FOR GVP DRIVES	£34.99
1MEG 32 BIT SIMM	£59.99
4MEG x8 SIMMS FOR GVP DRIVES	£139.99
4MEG 32BIT SIMMS FOR A530 ..	£179.99

A590 & GVP SCSI DRIVE UPGRADES.
42MEG £139.99 52MEG £149.99(few only) 105MEG £199.99

EMULATORS & ACCELERATORS

VORTEX AT ONCE PLUS 286 PC EMULATOR FOR A500	£199.99
GVP PC286 PC EMULATOR CARD FOR SERIES II HARD DRIVES	£147.99
GOLDEN GATE 386SX PC CARD FOR A1500/2000	£399.99
GOLDEN GATE 486SX PC CARD FOR A1500/2000	£749.99
OPTIONAL DRIVE CONTROLLER CHIP FOR GOLDEN GATE	£34.99
IIT 80387SX25 CO-PROCESSOR FOR GOLDEN GATE	£89.99
G-FORCE 030/25MHz FOR A1500/2000 others available	£479.99

IDEAL FOR YOUR A1200 OR 4000

CUBSCAN MULTISCAN 14" MONITOR.

FULLY COMPATIBLE, WE BELIEVE, WITH ALL AMIGA1200 VIDEO MODES

* Dot pitch - 0.28mm.
* Antiglare 14" hi-brightness screen.
* Digital memory sizing - for *automatic* borderless display in all Amiga modes.
* All controls at front.
* VGA compatible for PC use.
* 15-40KHz horizontal scan rate.
* 45-90Hz vertical scan rate.
* Tilt-swivel base included.

SHARPER PICTURE THAN THE 1960

ONLY £469.99 INC AMIGA LEAD
OR £499.99 WITH SUPERFI 2 STEREO SYSTEM

** DEDUCT £20 IF BOUGHT WITH ANY AMIGA **

20" CUBSCAN MODEL ALSO AVAILABLE - POA

COMMODORE 1960

14" MULTISYNC COLOUR MONITOR
WORKS IN ALL A1200 MODES inc low res (15.6KHz modes)

Compatible with ALL AMIGAs & PCs

SPECIAL OFFER - £399.99.
Price inc Productivity adaptor & cables

EXTERNAL DISK DRIVES

ROCLITE RF382av 3.5" EXTERNAL DRIVE £64.99
WITH ANTIVIRUS & ANTI CLICK FEATURES. RRP £79.99
OR WITH NEW XCOPY PRO £94.99
CUMANA CAX354 £64.99

MEMORY UPGRADES

A500 / 500+ 1/2meg upgrade without clock	£24.99
A500 / 500+ 1/2meg with clock & battery	£29.99
A500+ 1MEG UPGRADE	£44.99
AMIGA 600 1meg upgrade + clock - now only	£44.99

FOR A600 PCMCIA CARDS - SEE A1200 PCMCIA PRICES

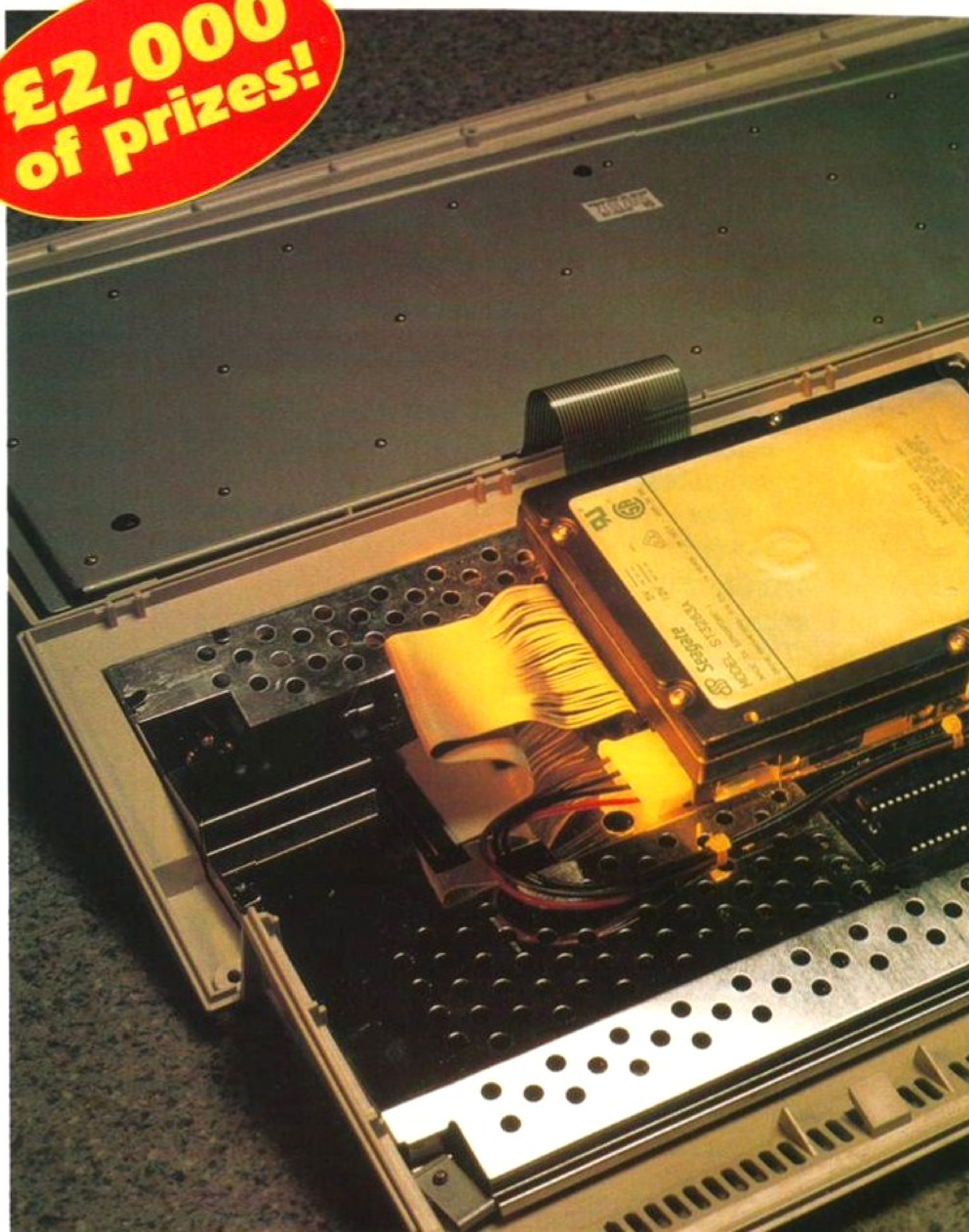
SPECIAL OFFER - LIMITED STOCKS

COMMODORE A590 20MEG FOR A500 £177.99
Includes sockets for up to 2meg fast memory (£34.99 per meg extra. Upgradable with larger SCSI hard drives.

Do you own an A1200?
Would you like a hard drive for it?
Would you like that hard drive to have a copy of Civilization AGA installed on it?

If your answer is yes to all of these questions, we've got just the competition for you.

Amiga Format, in association with Software Demon are giving 20 lucky readers a chance to get a 40Mb hard drive installed in their machine and win a copy of Civilization.



Amiga Format Grand
Win one of twenty

The A1200 has been a storming success! The machine's ability to accept an internal IDE hard drive has also gone down well with the public, who welcomed the opportunity to save desk space and money at the same time. Few companies offer IDE drives for less than Software Demon, who devised their own system of getting the larger, and cheaper 3.5-inch drives into the A1200's spacious casing.

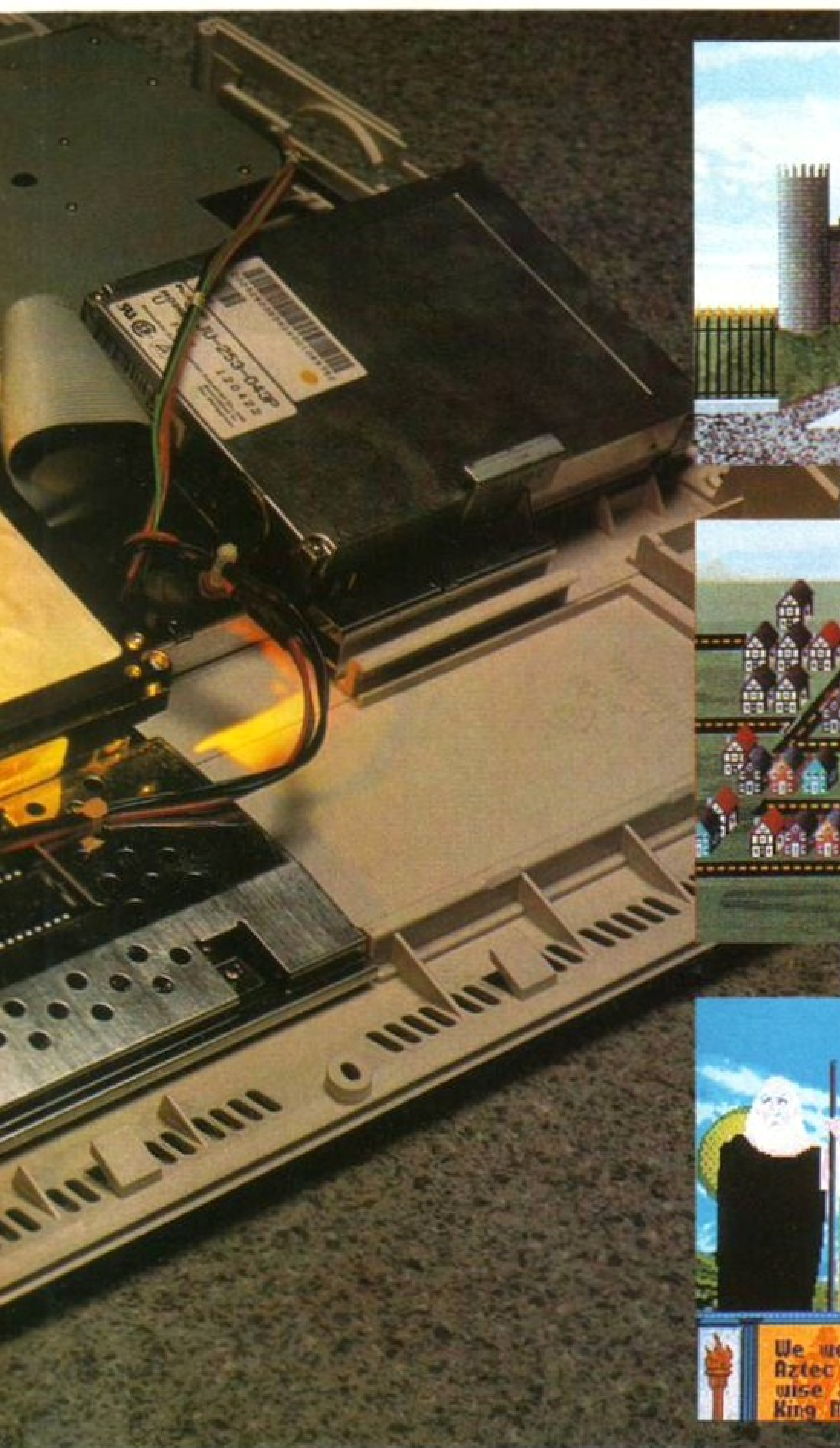
Although buying an A1200 internal hard drive can be a bit of a minefield, Software Demon are one of those companies who, in our experience, offer excellent customer service.

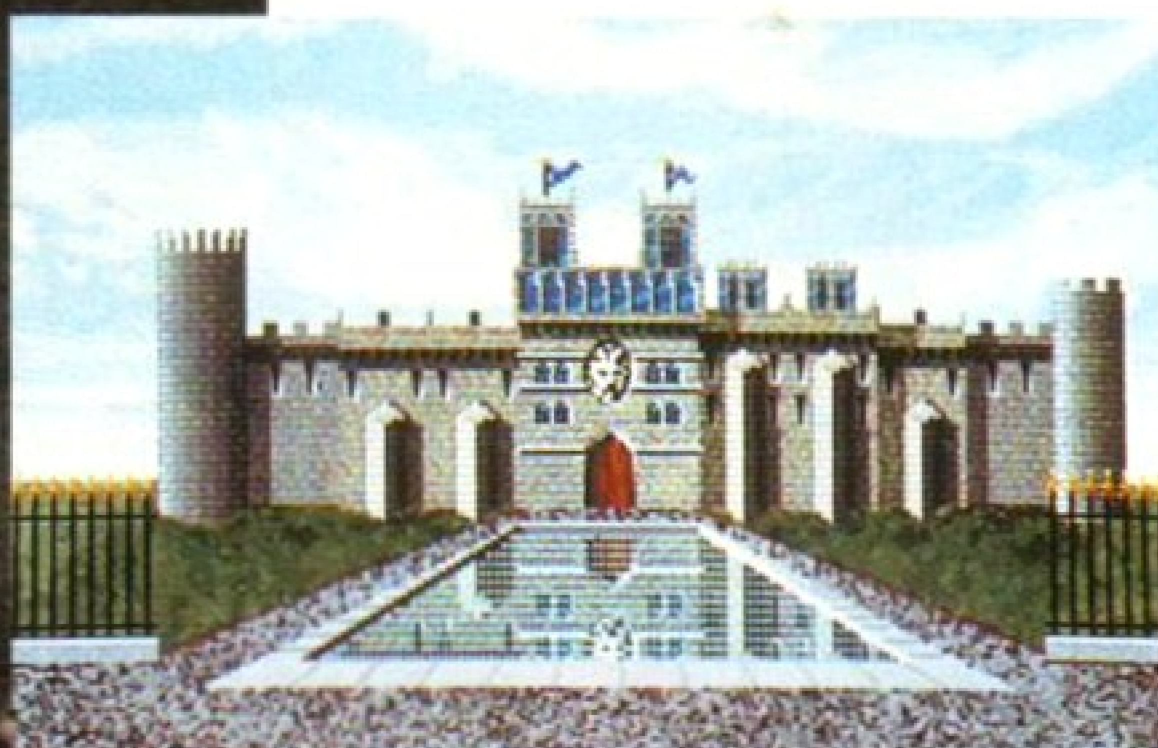
On top of good service and good prices, Software Demon have secured another great incentive to buy one of their drives. It's called Civilization, and in issue 38 of this very magazine it scored an incredible 94 per cent. The AGA version of Civilization has just been completed, and Software Demon have acquired the distribution rights. Not only will they be selling the game to any A1200 and A4000 owners who want a 256 colour version of this highly acclaimed management/strategy game, but they will be giving a free copy to anyone who buys a hard drive from them. And to celebrate this momentous occurrence Software Demon are offering you the chance to become one of the lucky owners of this hardware/software combination.

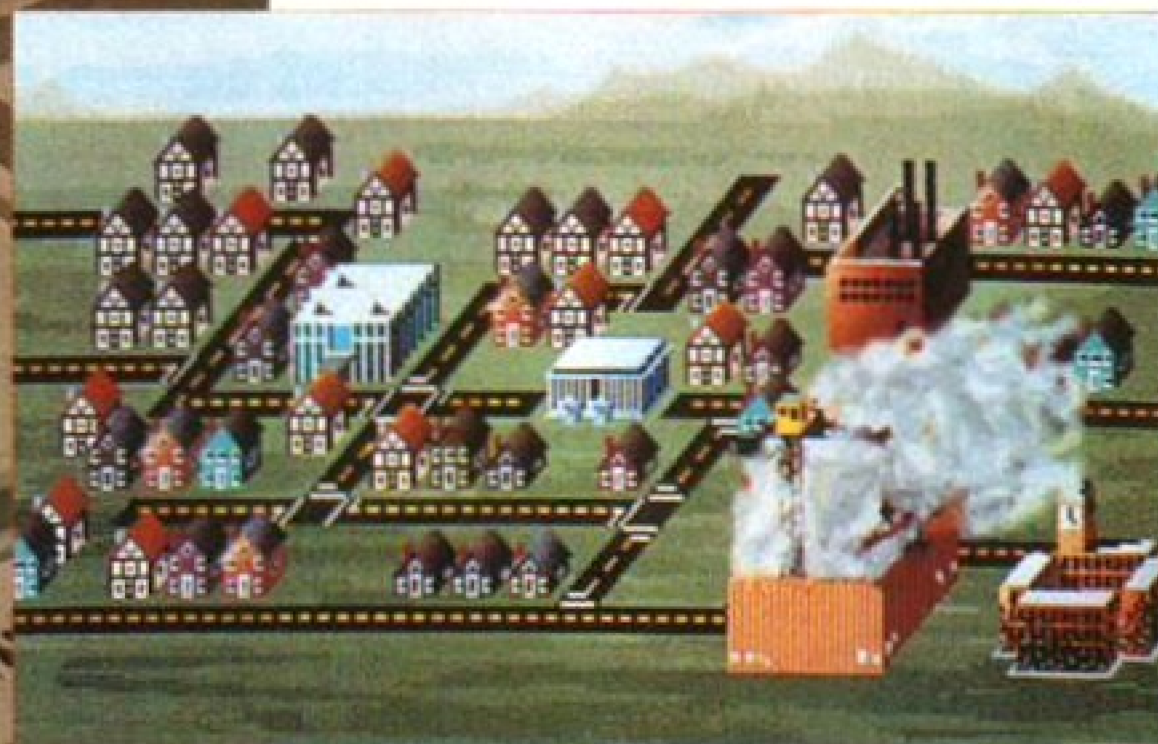
All you have to do is study the 10 simple questions on the right, answer them (correctly if possible) and send the (correct) answers on a sealed envelope or postcard to the address shown to the right.

Please don't send multiple entries, we have just received 78 from one person for the A4000 competition, which must have cost around £18 in stamps and postcards. It really doesn't increase your chance of winning, so save yourself the money and just send one entry. If you want to increase your chance of winning, send it on a groovy postcard that's bound to attract our attention.

Right! Pens at the ready and good luck.









HOW TO ENTER

Simply write down the answers to all 10 questions below on the back of a post-card or stuck down envelope, along with your name and address, then send it to:

Demon Driver Competition
Amiga Format
29 Monmouth Street
Bath
Avon
BA1 2DL

to reach us before, or on, 30th July 1993. We've changed the rules a bit this time, and we're not accepting multiple entries anymore, because we end up with a box of 10,000 competition entries, and they're all from the same 12 people. If you really want to increase your chances of winning, show some initiative, send us an interesting postcard.

Don't send your entries in a sealed envelope, because if it hasn't got the answers on the outside we just put them in the bin. I mean, come on we're giving you the chance to win something for free, and you want us to open thousands of envelopes... no way!

Don't include your entries with letters or Workbench and GameBusters enquiries, because they go to a different address, so one of the two items will never get where it's meant to.

THE RULES

1. Employees of Future Publishing are not welcome to enter. If they do, they have absolutely no chance of winning.
2. Employees of Software Demon cannot enter either, but they probably don't want to, since they most likely get hard drives for next to nothing anyway.
3. No multiple entries will be accepted.
4. The editor's decision is final.

Quiz for August IDE disk drives

1 Who wrote *Civilization*?

2 What software house did *Civilization*'s author co-found?

3 What train-based god game did *Civilization*'s author also write?

4 What score did *Civilization* receive when reviewed in *Amiga Format*?

5 In which issue of *Amiga Format* was *Civilization* reviewed?

6 What was the date of Elvis Presley's death?

7 What is Software Demon's phone number?

8 What does IDE stand for?

9 What size IDE drive do most companies fit into the A1200?

10 How many kilobytes make up 40 megabytes?

AMIGA FORMAT SPECIAL

YOU WANT

Whether you're a seasoned Amiga user or a total newcomer to the best home computer in the world, you will always want to get more from your machine. And the best way to get more is to know more. This is where we come in...

WE'VE GOT 'EM!

The *Amiga Format Question & Answers Special* is



Questions, questions, questions... Will there ever be CD-ROM for the A600? What's the difference between 32 and 16-bits? Do I *really* need an A4000? How can I upgrade my Kickstart? How much RAM do I need to play *Links*? What is the best monitor for my needs? QUESTIONS! QUESTIONS! QUESTION!

ANSWERS!

ON SALE NOW!

The *Amiga Format Questions and Answers Special* is packed to the gills with exactly the kind of information you must have.

And once you've got it, who can stop you? There's a question only you can answer...

Q A

If you have any Amiga-related questions you would like answered, write to the editor, *Amiga Format Specials*, 30 Monmouth St, Bath Avon BA1 2BW. Make sure your letter arrives before Monday April 12th.

on sale from Thursday May 6th priced at £3.95.

It's not what you do, but the way that you do it... and that's why choosing the right joystick is vital. **Steve Bradley** learns everything his mother never told him about...

The joy of sticks

BACK ROW (left to right): QJ Supercharger, QJ Superstar, Logic 3 Sigma Ray
MIDDLE ROW (left to right): Gravis Gamepad, The Bug, Cheetah 125+, The Arcade Joystick, QJ I Turbo, Competition Pro Extra.
FRONT ROW (left to right): Konix Speedking, Cruiser Turbo, Gravis Switch Joystick, Zip Stick.

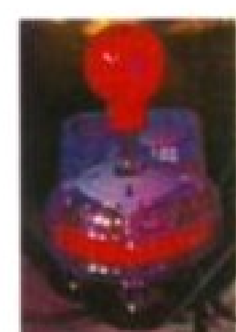
IT'S A PERSONAL thing, a joystick. And what one you prefer to use really depends on the style of game you're playing and other preferences like the grip, speed and build quality, so you need try a few out before you buy. That's why we've not rated any of the joysticks in this round-up – but we have tested them thoroughly, and if you read what we think of them it will help you to get your hands on a winner!



Konix Speedking

£10.99 ■ Konix 0495 350101

Acclaimed to be 'The World's First High Performance Joystick', the Speedking fits comfortably into your hand. It has a solid feel and a loud shaft click so you can hear each move. A good all-rounder, it feels as if it will last a long time. Also available with turbo-fire (£12.99), Sensible Software used it in their recent soccer World Cup. What more recommendation do you need? There is also an analogue version (£14.99) with free-floating and self-centring modes – useful for flight sims like *Knights of the Sky*. Analogue joysticks will only work with analogue compatible software.



QJ Superstar

£13.99

Spectravideo 081-900 0024

If you could convert a chaise-longue into an Amiga-compatible joystick, it would look like the Superstar. Another of the 'ooh, look at the bits inside' brigade, it has a handle similiar to a Kojak lolly. It's a solid affair with five stabilising suction pads and strangely, two fire buttons next to each other. There is a nice click when you move the handle, though it could be heavy for some, and the fire buttons feel flat but you get used to them.



QJ Supercharger

£10.99

Spectravideo 081-900 0024

This one's chunky with a large, black moulded handle and a stocky, pillar-box red base. The handle is comfortable to grip and anyone who has ever played *Crossfire* will appreciate the finger-friendly buttons. This has a very wobbly handle, and one of the few ergonomic types with the wagglability to deliver demon fast bowls in *Gooch's World Class Cricke*t. With an autofire option, this will appeal to the games playing all-rounder.



QJ I Turbo

£6.99

Spectravideo 081-900 0024

Not as flashy as some of its QJ stablemates, the I Turbo is a simple affair in black plastic. It's light with an 'ergonomically contoured' hand grip which is easy to move, and two fire buttons – one trigger and one on top of the handle. Some may find it too loose, but it's very simple to use.



Competition Pro Extra

£16.99

Power Play 0457 876705

This is quite a famous one: "A joystick's joystick," some claim. Or "Wouldn't touch anything else," is sometimes the cry. So what makes it so special? Well, for a start, it looks unbreakable with its solid 'frosted' plastic casing and robust steel shaft from the Kojak lollipop school. Nutts has had one since 1985, and it's still unscathed.

The new versions are stiff at first, with not much play in the stick, but this wears in after a few weeks' play. The standard matt black model (£13.99) has a microswitched stick, but only pressure pads under the fire buttons. The Extra model boasts microswitches all round, and an autofire switch to boot. Excellent.



Zip Stick

£14.99

Power Play 0457 876705

Very similar in style to the Competition Pro, the Zip Stick has a lot more play in the stick – so you will find it easier on

your hands at first. The suction pads under the base enable you to fix it to your desk, but take care because you will have a job getting it off again.

The distinctive yellow fire buttons are excellent, and, um, Spangle-shaped (remember Spangles? They were really nice boiled sweets, which died out about 15 years ago). That's about it, except that like the CP it is sturdy, with a steel shaft and a tough plastic casing.



Logic 3 Sigma-ray

£13.99

Spectravideo 081-900 0024

There are five fire buttons on this one. Not that you can use all five at the same time, but hey, we like choice don't we? The comfortable grip handle moves easily (in eight ways) and has a reassuring click. I liked its overall feel, though someone in the office thought the handle was bit bulky.



The Bug

£14.99

Cheetah 061-707 7080

This one's a cutie. It looks like a bug as well with it's large, front fire buttons resembling black eyes. The most palm friendly of all the palm friendlies, The Bug is one that takes some getting used to, but if you take a shine to it you may find you'll never pick up another joystick in earnest. Some may find the short stick too fiddly, but for me it's the most manoeuvrable of the lot. The Bug is a favourite at *AF* and my two bugs have taken a fair bit of battering over the past few months and are still going strong. Our editor Marcus, however, has destroyed four in just a year!



The Arcade Joystick

£23.99 Euromax 0262 602541

Chillingly, this joystick is shaped like a coffin. And a black coffin to boot. Very simple in design, The Arcade Joystick has one (only one?) firebutton, and not a particularly nice one at that. It's quite a solid little unit but the ball handle is a bit stiff and I found it a little difficult to manoeuvre in fiddly games. And at £24, it's rather expensive for the limited features it offers.



Cheetah 125+

£9.99 Cheetah 061-707 7080

What 125+ stands for is a mystery, perhaps it's to do with high speed inter-city cheetahs. A light, plastic affair with four fire buttons (the buttons on the base have rather flat feel to them), the 125+ is a cheap, user-friendly sort which won't make you gasp in amazement as you clutch its, yes you've guessed it, 'ergonomically designed control handle'. As a fellow gameplayer put it: "I wouldn't sell my Grandmother to get one".



Cruiser Turbo

£13.99

Power Play 0457 876705

No, don't laugh at the name. Oh, alright allow yourself a small chuckle. Cruiser Turbo eh? Sounds like the sort of thing the villains drove in *Miami Vice*. It's not though, it's a joystick and one with variable tension control on the stick. This ones got a rather nice turbo fire button which splays bullets all over the show (if the game involves bullets of course). Other than that, there's not a lot else to say except that from one angle, it looks like an alien with a microphone in its mouth.



Switch Joystick

£29.99 ■ Advanced Gravis (distributed through Phoenix 0532 350652)

If you're looking for a multi-purpose, multi-functional joystick then this may be ideal. Tastefully coloured in black, ruby red and with gold trimming, the Switch Joystick is packed with features. The padded handle has a 10 setting tension adjuster ranging from soft to stiff, making it suitable for both fast platformers and flight sims (as well as many others). There are three fire buttons, each with normal, turbo fire, forward and backward functions. It's quite pricey, but very nice.



GamePad

£14.99

Advanced Gravis

(distributed through Phoenix 0532 350652)

Hurrah! This one doesn't claim to have any kind of ergonomic design. That's because it's a joypad, and it's flat. The GamePad offers two styles of control – flatpad and screw-in joystick handle. Also, there is a switch which enables you to use the unit for either the right or left hand.

There are four brightly coloured fire buttons, two which can be set in up or down mode, or in turbo-fire. Quite a nice set-up, though I'm not convinced about the lifespan of the screw-in plastic stick.

BACK ROW (left to right): Holdfast Joypad, Logic 3 Freewheel, Topstar, Megastar
FRONT ROW (left to right): Konix Navigator, QJ Footpedal



QJ Topstar

£24.99
Spectravideo 081-900 0024

Well here's a handsome beast and no mistake. The Topstar has one of those fancy see-through bases where you can see all it's delightful inner workings. Not only that, it has a shock absorbing suspension system as well which sort of moves slightly as you waggle. One interesting option is the player's slow motion switch which slows you down to 'improve the challenge'. Under no circumstances attempt this when playing *Sensible Soccer*. I found the handle a little too stiff for the more fiddly games, but it is an impressive model all the same.



QJ Megastar

£24.99
Spectravideo 081-900 0024

This must be the Topstar's big brother. It's a bit mystifying to start with, until you realise it has a selection of left or right hand control depending on which way the switch is. What about this lot – five suction pads, four suspension springs and three fire buttons. I found the Megastar rather cumbersome and the handle too stiff for quick manoeuvring. Still, there's not many joysticks which can claim to have 'industrial standard quality micro-switches'.



Konix Navigator

£15.99 ■ Konix 0495 350101

Similiar to the Speedking in feel, the Navigator has an 'ergonomically' designed handle which in real terms means it looks like a dodgy toy raygun. The name suggests that it's designed with flight/sub/tank sims in mind, but it can be used for many different types of games, especially as it has an autofire option. If you like a handle you can grasp then this may be for you.



QJ Footpedal

£24.99
Spectravideo 081-900 0024

This bizarre coloured plastic thing is a popular controller for use when playing car racing games. What does it do? Well, it's a set of three footpedals.

The switches in the middle of the unit configure the three footpedals to act like any one of the directions of a standard joystick – up, down, fire and so on. This makes it useable with almost all racing games and flight sims, and it's pretty good, too. Although it looks a bit flimsy, it stands up to a fair amount of beating. The box informs you the Footpedal is: "Excellent for Car Racing, Flight simulation, Tennis, Kung Fu, etc." Tennis? Kung Fu? I'm sorry, but I can't see it. Apart from that, it's a good controller for a reasonable price.



Logic 3 Freewheel

£29.99
Spectravideo 081-900 0024

The trouble with driving games, of course, is that you don't feel like you're actually driving. Whoaa! Here's Nigel Mansell's FreeWheel (calm down, it's £29.99) which really makes you feel like you're driving, sort of. Bit funny this because the wheel isn't attached to any kind of base, its just there. When you turn it, gravity sensors are tripped and the car/bike moves accordingly. Available in Digital version, which works with racing games that accept an input from a normal joystick, or an Analogue version which works with games like *Formula One Grand Prix* (£39.99).



Holdfast joypad

£24.99 Holdfast 0454 411126

Strange customer this. With its flat, yellow plastic base, four soaraway red arrows and fire button, the Holdfast is a rare breed among Amiga compatible joysticks. Not a joystick, but a joypad, the Holdfast was originally aimed at early learners but has found favour with many other users, particularly those with special needs. It's not easy to get used to if you have used more conventional joysticks for any length of time, but it's nice to see Amiga users catered for in this way.

The Best Selling Word Processor and Database just became even better...

VALUE!

Since its launch, Pen Pal has become the most popular package of its type

Not surprising when you consider the extensive features at your fingertips, combined with user friendly simplicity, it was bound to be a winner! In a comprehensive Word Processor test, Amiga Format commented "There is little to fault Pen Pal, it deserves to do well" - quite a prediction it seems! Format have since said that it's "Still the best value for money..." If you're not a Pen Pal user yet, we hope you soon will be, because at just £49.95... the best just became better, even better value!

Pen Pal

A superb package, with immense power, to fulfil all your Word Processing needs, and... with an integrated Database too! It's all so easy to use, you'll rarely need to refer to the extensive 250 page lay-flat spiral bound manual. Users frequently tell us that they've never found a program they get on with so well.

THE WORD PROCESSOR: You can... Open multiple documents simultaneously; search and replace; cut, copy and paste; check your spelling with a 110,000+ word dictionary; import your favourite IFF/HAM graphics, from programs such as DPaint, or Clip Art files in various sizes and colours; automatically flow text around graphics in any Workbench compatible font (there are over 200 available styles) in different sizes and colours to suit your design... Even as you type! Full Page View with position, edit and creation of graphic objects and extremely useful forms designer. All this from a word processor and... Much, Much, More! As you can see from the documents shown on the left, this is no ordinary program!

THE DATABASE: With 32 fields per record, 32,000 records per database and a fast sort of 1000 records in less than 5 seconds, this is a *real* database. Mail merging into the Word processor couldn't be simpler, with easy creation of templates for letters or reports, into which information can be merged.

AND... Remember, Pen Pal comes with full support for the new or experienced user completely free! Friendly help for all registered owners is just a phone call away.

SoftWood - Quality software for your Amiga

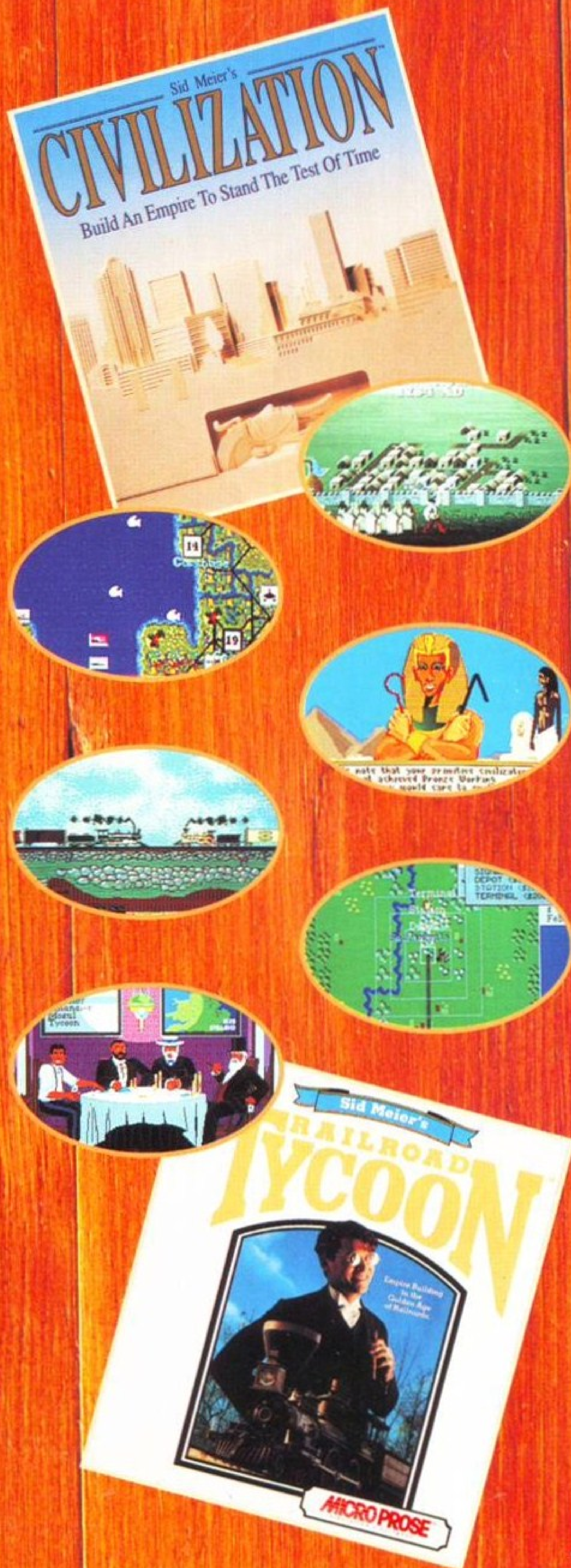
*With Pen Pal you're not just getting a one off product! SoftWood are acknowledged as the World's leading software company who develop **just** for Amiga and **no other** system. Once you're a registered SoftWood product owner your investment is protected as you'll have access to unlimited free technical support [others charge you] and preferential upgrades to other SoftWood titles, both existing and future. Exciting new products are being developed right now. Pen Pal - your first step on the SoftWood ladder of Amiga software*

Pen Pal is available from all good Amiga software Dealers or from SoftWood. Call for our list of stockists.

SoftWood Products Europe
PO Box 19 Alfreton
Derbyshire DE55 7RW England
Tel: 0773 836781 Fax: 0773 831040

Pen Pal is compatible with any Amiga from A500 to the latest A1200/A4000 ranges with a minimum 1 Mb. available free memory.

Let a genius help you build a Civilization or become a Railroad Tycoon



Try these award-winning 'god games' from Sid Meier, the guru of games design. Civilization and Railroad Tycoon require strategic decisions to test your imagination like nothing else can.

Starting at the dawn of time, Civilization invites you to create a society to endure beyond the space age. Build a brave new world, discover modern technologies, determine the fate of your people - that's what it takes to thrive and survive.

Railroad Tycoon begins in the railway pioneering days of the 1800's. Changes are sweeping the land, you see the opportunity for immense wealth and power. Have you got the skill to grab it?

Classic Award-Winning Games for IBM PC Compatibles, Amiga, ST and Apple Macintosh

MICROPROSE®
Seriously Fun Software

MicroProse Ltd., The Ridge, Chipping Sodbury, Avon BS17 6AY. Tel: 0666 504399

Screenplay

Welcome to another dose of the best reviews around. Summer's here, which means that the number of releases is looking a bit thin, but we have some fantastic games to tempt you. Follow Andy Nuttall into the box of delights...

TRUST US...

Each month, *Amiga Format* brings you the very best in game reviews. We're totally committed to telling you exactly what's wrong or right with each game, and we don't pull any punches.

Once upon a time, we were all punters too, and every one of us has had a nasty experience with a duff game at some time or other.

We don't want that to happen to you, so each game we receive has a whole host of tests to pass before it gets our ultimate accolade – the *Amiga Format* Gold.

We stick to four golden rules:

(A) If a game isn't finished, then we don't review it.

(B) If it's poor-quality, then we say so – no matter what the softies think of us.

(C) We have never, and will never, review a game 'on-site'.

(D) If we're forced to take sides, it will always be your side we take.

Trust us – and we'll look after you.

THE REVIEWERS

Everyone's got their own favourite type of game, and at AF, we put that to good use. We look at each reviewer's special skills (and predilections) and turn them to your advantage. Here's what our team was up to this month...

STEPHEN BRADLEY
Being a fast, happening guy who's careful with his pennies, Steve's fave game this issue is the budget classic *Lotus Turbo Challenge 2*.

ANDY NUTTALL
Nutts can be found massacring enemies in *Syndicate*, but in his spare time he's usually massacring enemy teams in *Goal!* (*Oh yeah? – Ed.*)

JAMES LEACH
Because of his curious passion for German motor cars, James cast a critical eye over War in the VW Golf. Sorry, that's *War in the Gulf*. Ahem.

PAT MCDONALD
Pat loves the summer – the nights are lighter so he can sleep in the sun. And play *Gunship 2000* late at night to annoy the neighbours.

MARCUS DYSON
AF's warlike editor strapped on his expand-o-suit and consulted Q on his next mission – to review *Robocod A1200*. And all because...

SARAH TANSER
Taking time off from her life of smiles, Sarah was seen uncharacteristically frowning at *Super Cauldron*. But only briefly, of course.

RICHARD BAGULEY
Richard's of a religious bent, so when we asked him to review *Prey* he naturally jumped at the chance. Little did he know...

ANDY HUTCHINSON
Hutch has, since a very early age, wanted to be an airline pilot. Twenty years on, and five minutes with *Airbus* made him realise he couldn't stay awake long enough to take off.

GARY LORD
Due to his strange penchant for horned head-gear, he demanded that we give him *Lost Vikings* to review. He's been charging around the office ever since.

THE SUN HAS GOT HIS HAT ON...



Goal!

The football season's ended, so what do you do? You could follow the exploits of Graham Taylor's new England line-up (see left) in the World Cup qualifiers. Then again, you could buy a footy game for your Amiga.

Goal! is the latest one, coming from the same stable that gave you *Kick Off 2*. Can *Goal!* match up to the quality of cup holder *Sensible Soccer*? To find out turn over to... **Page 66**



Syndicate

For a summer holiday this year why not pack up your bags and take a trip into the future with *Syndicate*. Rolling hills, valleys, superb natural wildlife and a group of psychotic cyborgs intent on taking over the world are but a selection of the wonders on offer.

It's the chance of a lifetime, but does your lifetime really stand a chance? See... **Page 83**



War in the Gulf

After scoring successes with *Team Yankee* and *Pacific Islands*, ODE are back with the third in the series, *War in the Gulf*.

Similar in style to the two previous games, *Gulf* tackles the touchy subject of the Gulf War, which is still on people's minds two years since it finished. Is the time right for a game like this? See our review on... **Page 78**



Lost Vikings

The game which scored a huge hit recently on the console toys has now hit our beloved Amiga. It's about these vikings, you see, and they get, um, extremely lost.

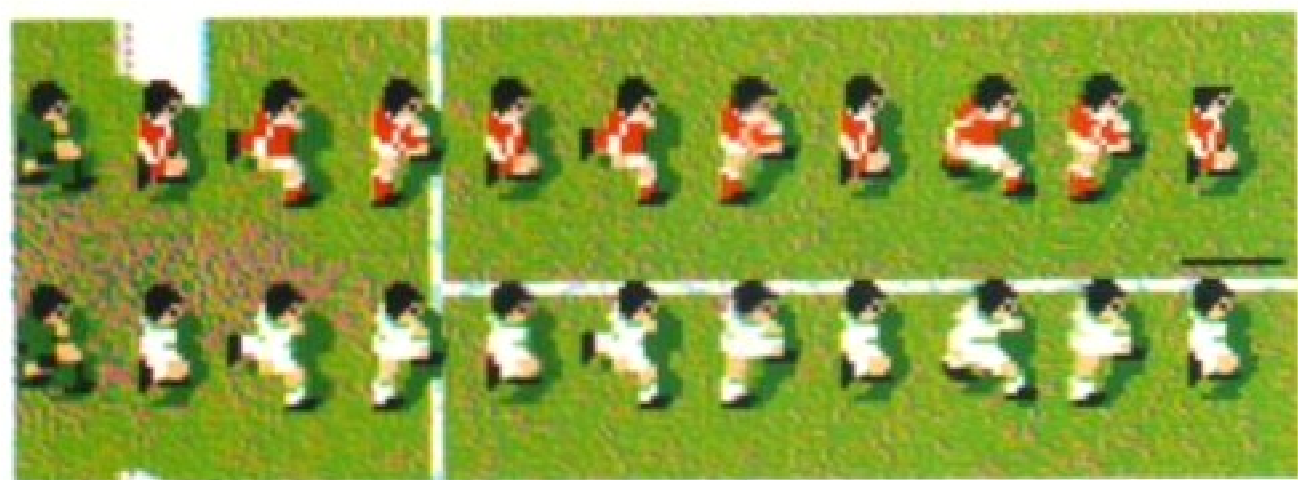
Anyway, it ends up being a kind of *Lemmings-Humans-Troddlers*-type thing, with some horns in it. See what the kiddies have been raving about on... **Page 72**



Gunship 2000

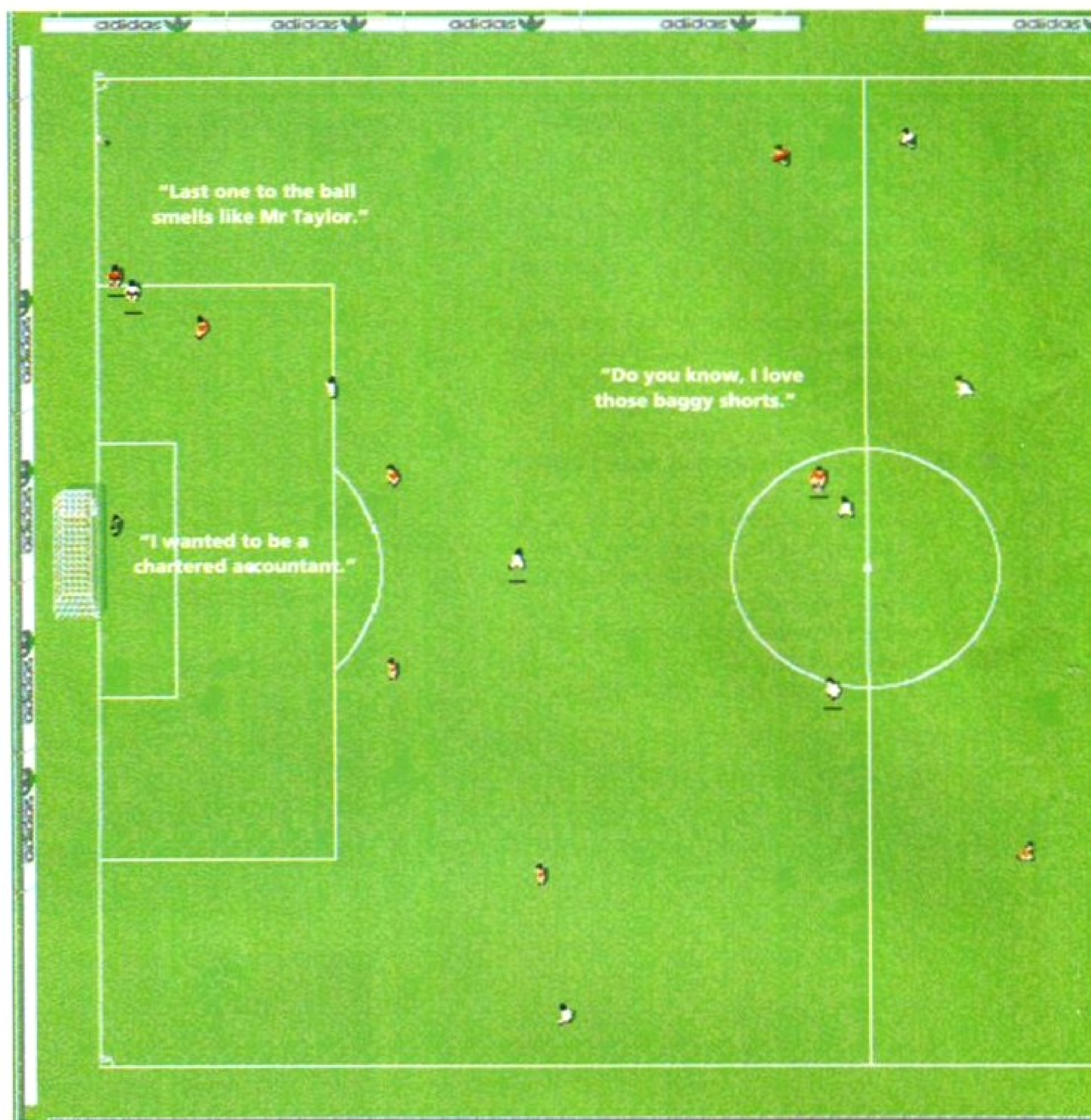
To complete our posse of violent, war-related and mind-controlling games in this issue, we bring you a review of MicroProse's new baby, *Gunship 2000*, for your delectation.

Take the controls of a helicopter gunship, fly about a bit and then test your skills on one of the range of missions. Before you fly out into the sun-set, turn to... **Page 90**



Goal!

Dino Dini's sequel to *Kick Off 2* is here, but is it Sensible enough to go to the very top of the Premier League?



Oh this field of dreams, where men become boys and occasionally, boys become men.

Do Amiga owners really need another football game? With over 40 of them out there on the market already, that's a difficult question to answer. Amiga football is, to coin a phrase, a funny old game, because it seems that no matter how many are released, they are all soaked up by a market hungry for new footy titles.

To date, though, there really have only been three software contenders which offer you a decent game of football, and they are: *Kick Off 2*, *Striker* and *Sensible Soccer*. There are at least another four football games planned for release later on this year from various companies, but the one which is on most people's minds at the moment is the subject of this review.

Goal! was programmed by Dino Dini, who is the renowned programmer of *Kick Off 2*, which for two years held the crown as the best football game around – until *Sensible Soccer*, that is. Now, Dino is attempting to reclaim the crown.

Can you kick it?

Like *Kick Off 2*, *Goal!* is viewed from above the pitch, at a slight angle. The players are slightly larger than in the previous game, and the general look of the game is more polished.

GOAL! is available from Virgin Games on 081-960 2255

Two viewing modes are available, which enable you to zoom-in or out of the action. In zoom-in mode only a small part of the pitch can be seen at any one time, and the screen scrolls smoothly around to follow the ball.

Because you can't see much of the pitch, a scanner is provided which shows the position of the players and the ball as a series of coloured dots on a mini-pitch.

When the ball goes out of play, the view switches to zoom out mode, so that more of the pitch can be seen and strategies planned more easily. This system works rather well – but if you don't like it the mode can be fixed on either zoom in or out.

In most Amiga football games, the ball will automatically stick to your feet as soon as you touch it, so control is simple but limited. In *Goal!* the ball doesn't stick, but your players have their own momentum, which means they speed up and slow down as you move your joystick. This means that without using the firebutton it is in fact possible to perform some amazing feats of dribbling and control of the ball, just as long as you don't move too quickly.

It's a corner

Also, as with *Kick Off 2*, you can actually trap the ball under your feet by simply holding

RUNNING COMMENTARY

Because football games are always so subjective, we asked several computer footy players to comment about *Goal!*.

RICHARD JONES
AMIGA FORMAT SPECIAL



Goal! is a game of two halves. Half will send you over the moon and the rest will make you feel sick as the proverbial parrot.

The graphics and player movement are excellent but it is difficult to tackle, the throw ins and corners take an age, and it's tricky to counter a forward's mad rush straight down the middle.

***Goal!* is a fine game, but it lacks the football 'feel' that *Sensible Soccer* captured.**

TIM SMITH
AMIGA FORMAT SPECIAL



Ohhh God! Graham Taylor; the Premier League; Rovers relegated – football has had a season in hell.

Happily, Amiga football is healthy.

But is *Goal!* as good as *Sensible*? The footy fans' game, *Sensible* is fluid and open. *Goal!* offers big sprites, options aplenty and a table football feel, great for the kids.

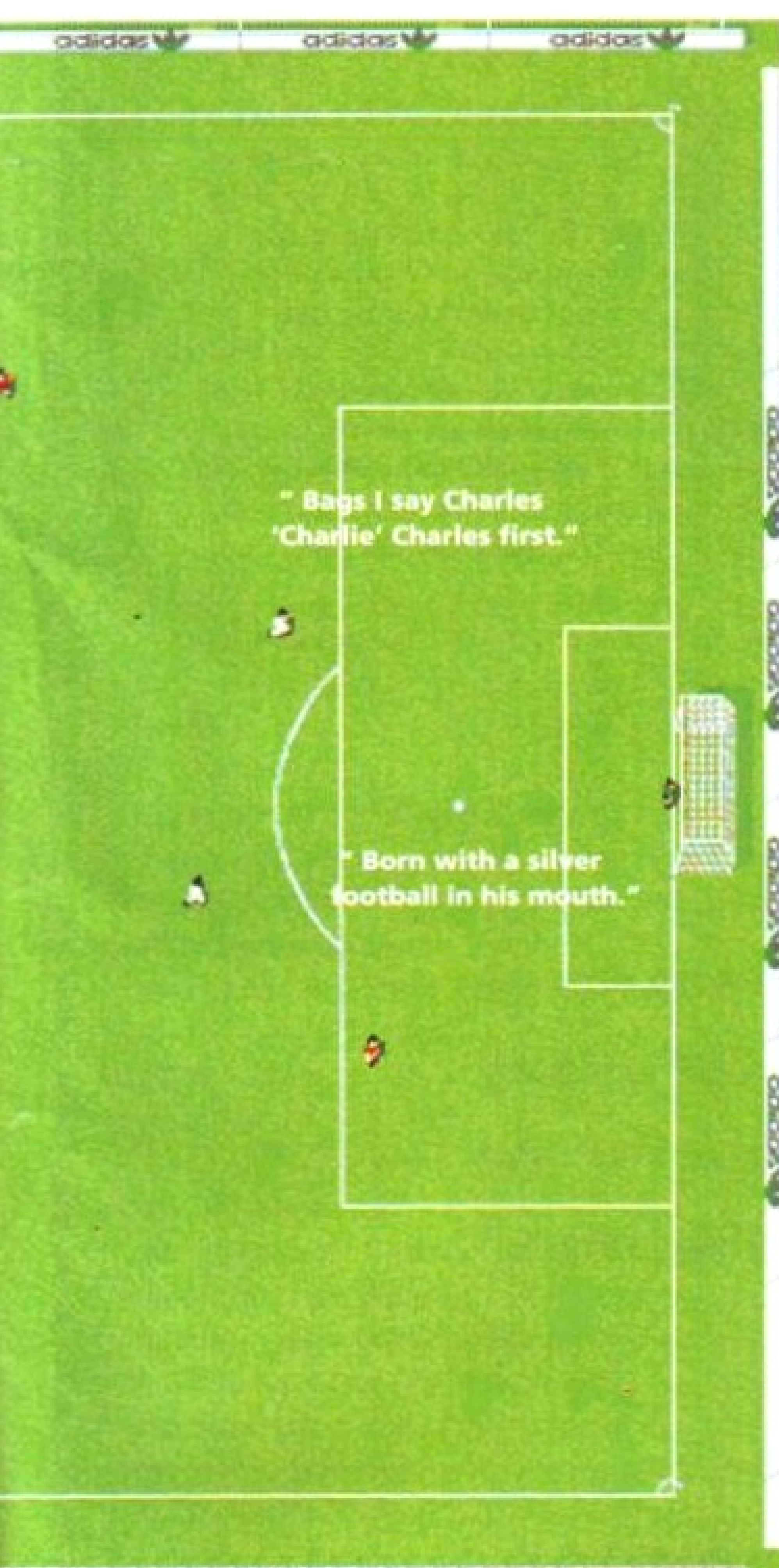
So... *Goal!* is a great Amiga game, *Sensi'* is the best Amiga football game.

SUE WHITE
AMIGA FORMAT



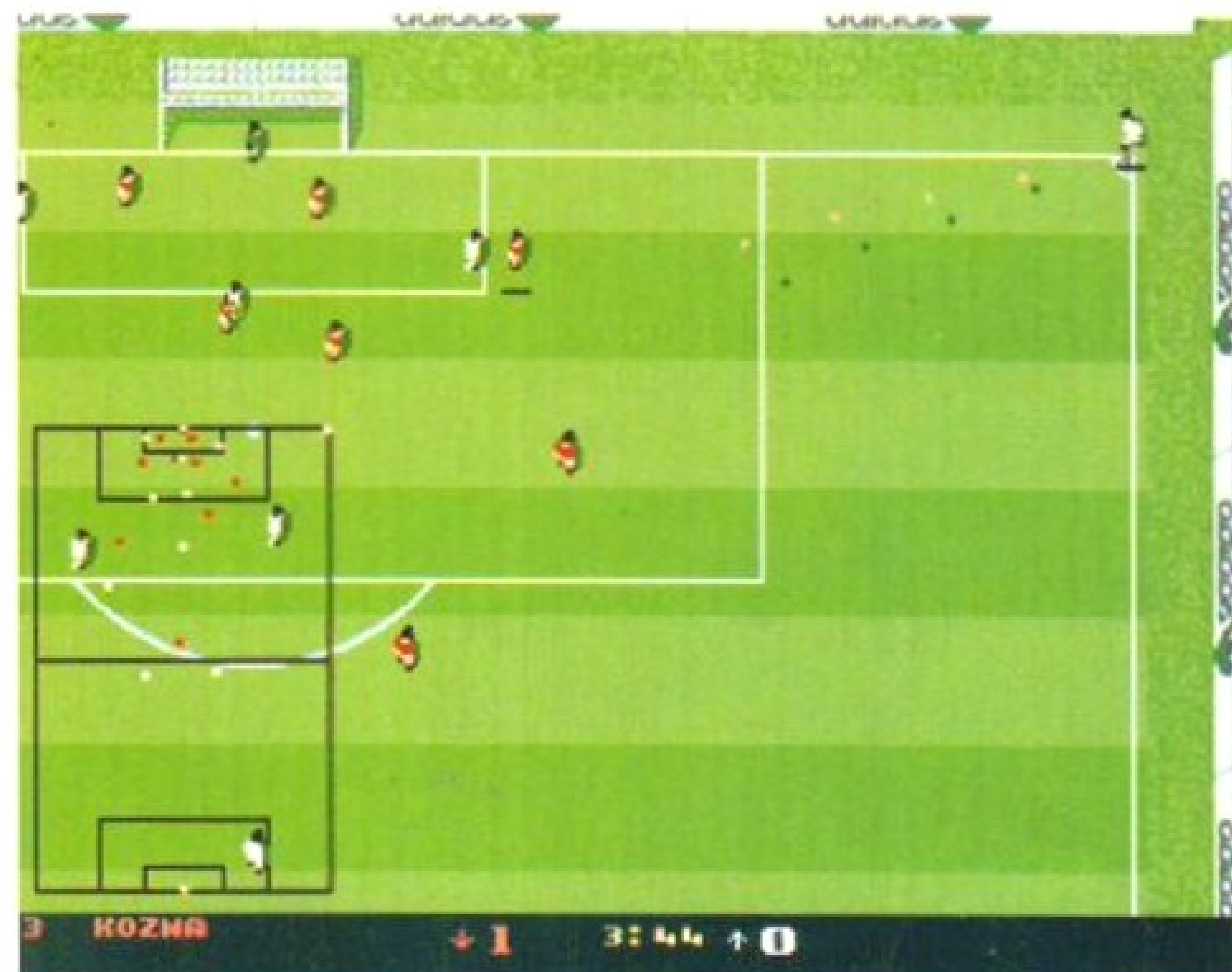
***Goal!* is a lot like *Sensible Soccer*, which actually I'm not bad at. It isn't as good, though. I found trapping the ball tricky, and once I did get it, it stuck to my foot.**

The little men are well animated and run around with great energy. On its easiest level I found it winnable, if only because your men run much faster than the opposition. Overall, I like *Goal!* but it hasn't replaced *Sensible Soccer* in my affections.





"I must not retaliate, I must not retaliate" thought Ted before breaking the guy's jaw.



"Look lads, don't be downhearted. These Yanks are the cream of world football, top of the tree, make the Brazilians look like donkeys – honest."



"The Siamese central defensive partnership have once again gone off at a tangent. Surely the manager will have to rethink his selection policy."

down the firebutton. Kicking the ball away is achieved by letting go of the button. Fans of *Kick Off 2* will be pleased to learn that taking corners and free kicks is now a lot easier and more logical than in the previous two games. Before the kick is taken, a dotted line is drawn away from the ball. This is controlled by the joystick, and is used to determine the angle, strength and trajectory of your shot.

Throw-ins also use this method, though, which is a shame because now they tend to break up the flow of the game. In *Kick Off 2* you simply pointed the joystick in the direction you want to throw, and hit fire – a much simpler and quicker method.

The action replay facility has been extended over previous games. It's now in the style of *Striker*, where the function keys are used to control fast forward, rewind and slow motion functions, very much like a video editor. When a goal is scored the replay is shown automatically, as is the trend with recent games. The facility is also available for you to record all of the action replays within a game to disk.

Another important new feature of *Goal!* is the choice between playing horizontally or vertically. This is an unusual option, included to satisfy those people who normally play games such as *Euro Soccer* where the pitch scrolls horizontally.

Playing across the screen instead of down is very disconcerting at first, but the control, speed and movements are all identical in both directions. As well as offering a different challenge, the horizontal pitch removes the fights between who plays up and down the pitch!

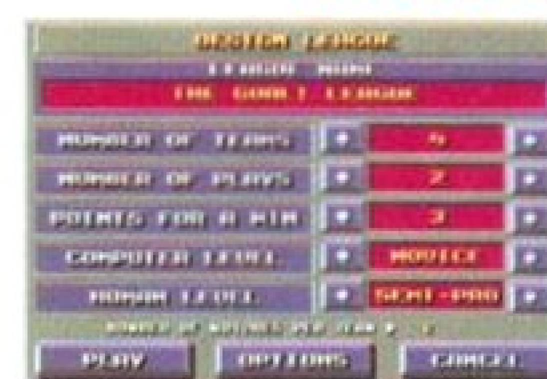
Wot no cup competition?

OK, that's basically the new features of *Goal!*. For those of you who haven't played *Kick Off 2*, you would probably like to know that all the usual features are included, such as after touch (so you can bend the ball after you've kicked it), the new back-pass rule, substitutions, formations and league.

The most notable exception, however, is the lack of a cup competition. This, I'm reliably informed, was due to the lack of time, and could be implemented in an update to the

Continued overleaf

LEAGUE COMPETITION



This is similar in style to the *Kick Off 2* league. You can play up to 32 teams, each controlled by a human or the Amiga. You can arrange the teams to play each other up to 10 times, giving a total of 310 matches per team. (The longest match you can play is 40 minutes real-time, so the maximum amount of actual playing time from a single league is 206 hours, or 8.6 days.)

ANDY HUTCHINSON
AMIGA FORMAT SPECIAL



Where is it written that sports games have to play exactly like the game they purport to be about? Much is made of the fact that *Sensible Soccer* is more 'like' football than other footie games, yet it's still a collection of tiny sprites wandering around a green pitch. *Goal!* has a more fluid feel to it than *Sensible*, it's easier to pick up and more fun. I see it this way. *Sensi'* will appeal to those people who care about the colour of away strips, *Goal!* will appeal to those who like competitive two player games.

TRENTON WEBB
COMMODORE FORMAT



Goal! plays effective, not pretty football. The frantic speed means you just blast it to the next player and hope they reach it first. Once inside the box, it's a turn and shoot job with massive aftertouch displacing true 'skill'.

Kick Off 2, *Striker* and *Sensible* all had personality, something special to pull you through drubbings by Qatar. *Goal!* lacks this. It's thoroughly competent, but has a little of the Arsenal feel about it. It plays to win, and is a championship contender – but you'd rather be watching Wednesday.

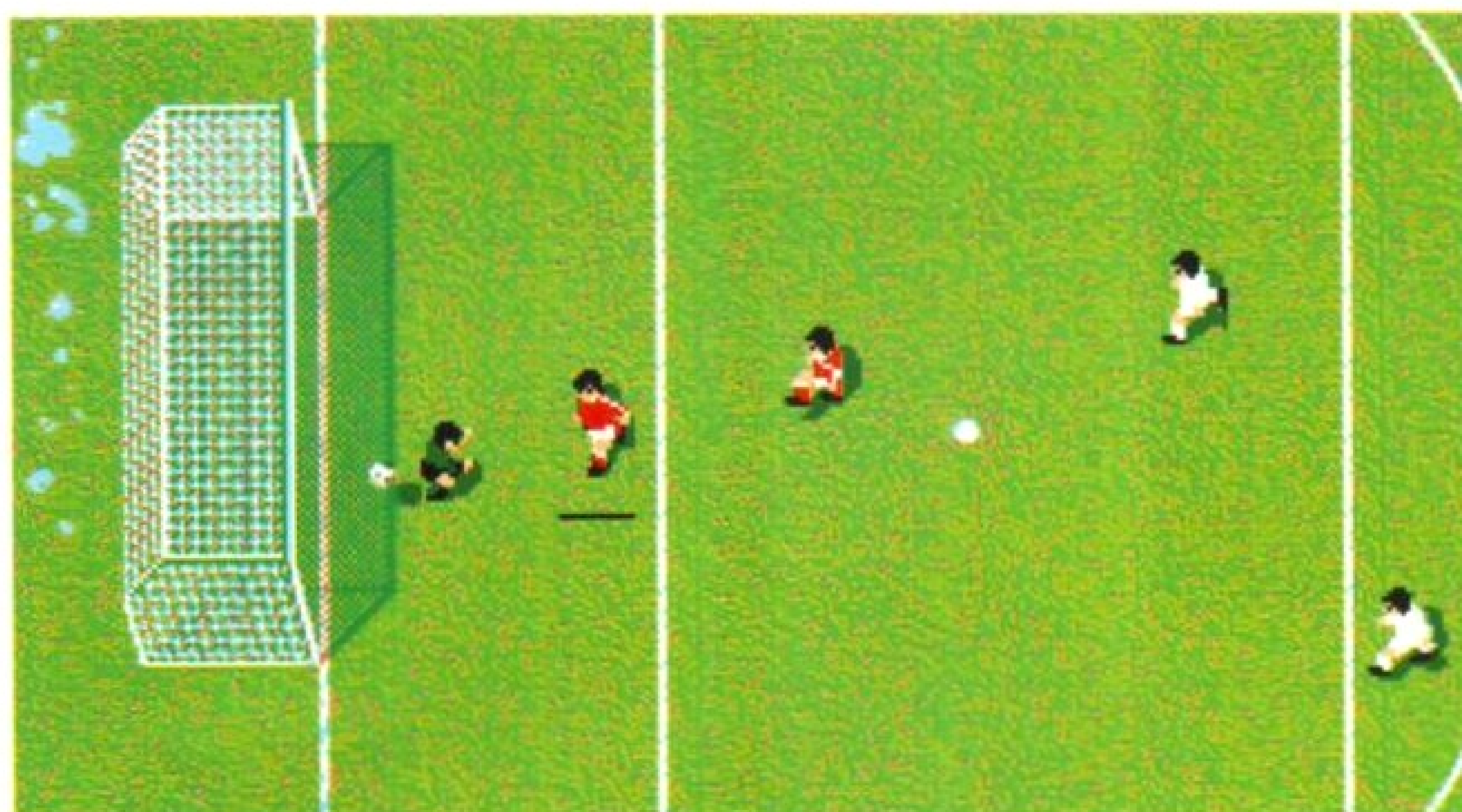
OLLIE ALDERTON
COMMODORE FORMAT



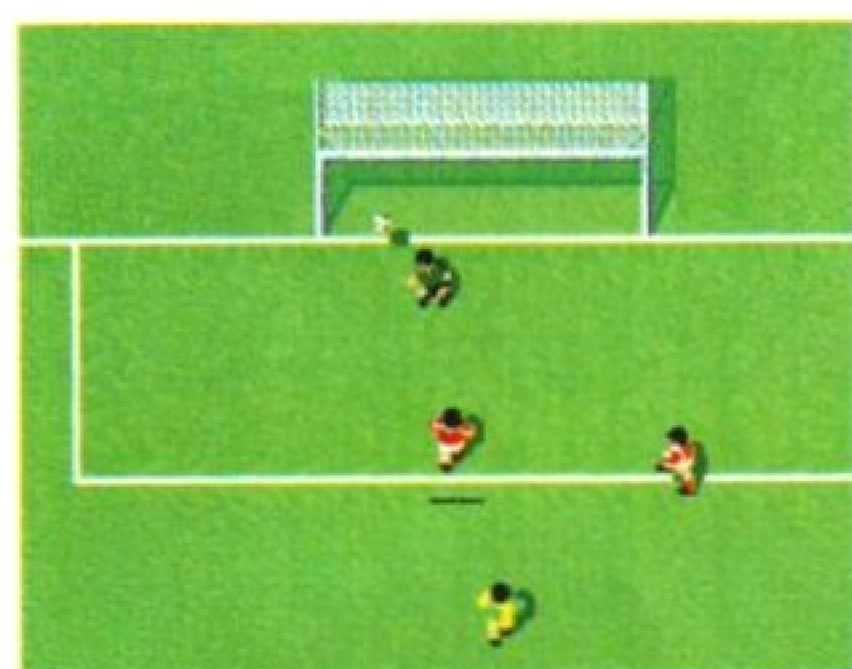
Slick and pacey with choices of novice to pro play. I stormed into the first game amazed at the effortless way skillful passing, shooting and player control was (unfortunately by my opponent).

Aston Villa under my supervision raced around like eleven men with 'weight' and 'drinking' problems.

Still, after a few more goes, I got to grips and only lost 4-1 to Nutts. There was so much excitement I needed a lie down and the physio's wet sponge at half time!



"Keep your legs closed young man," said the gaffer. "They'll make you look a fool if they can, nutmeg you at any opportunity." Barry Jeffries never played for Willington under-13s again.



Rodney rose like a salmon, twisted in mid-air and tipped the ball over the bar, I don't think.

game sometime in the future. The sound effects are generally good. The only one which isn't convincing is the crowd noise which occurs as the ball moves towards one end of the pitch – it sounds more like a strong wind than several thousand baying football fans.

Liverpool United

There are a few other points about *Goal!* which could be made better. The most obvious one is the incorrect team colours – for example, Liverpool play in the Manchester United strip – red with white shorts – which is really unforgivable, while Manchester United play in red with black shorts. The colours can be changed in the game, of course, but a little more care could have been taken in planning the kits.

Next, in some kick-offs one of the opponent's forwards will stand inside the centre circle. This can be particularly annoying, and would certainly not be allowed in real football. OK, so this is only a minor point, but it's worth mentioning.

"Goal! will remain on my playlist for a long time, but for me Sensible has the edge."

As supplied, the team line-ups are sometimes a little curious. For some reason, depending on your formation – attack, defence, that type of thing – you will probably find that a defender has slipped into an attacking role, and a forward has slipped into midfield or even defence. This is extremely odd, and it means that you usually have to move your formation around before you start each game.

Anyway, the teams may be played around with – players transferred between teams, and teams created, altered and transferred between leagues. All this information can be saved to disk, so if you take time to create your ultimate set-up, you won't have to do it again.

Lastly, there's a niggly problem with selecting which joystick you use. There is nothing in the software to choose between joysticks, so if you have a favourite joystick you have to hope that the Amiga assigns it to you. Otherwise, you need to swap the joysticks between ports – which isn't a fun experience when playing in a league.

Andy Nuttall

ARCADE CHALLENGE

The Arcade Challenge mode pits you against a series of five computer teams of increasing skill and speed. As you win each game, your goal difference is multiplied by the number of the stage, and added to your overall score. The first three levels are pretty tame, because the computer opponent is slow and unintelligent, but on level four the computer gets quick and accurate, and you need all your wits and skill to beat it. Then, there's level five...

BUT THE REF'S DECISION IS FINAL



ANDY NUTTALL
AMIGA FORMAT

My impression is that *Goal!* was written as an arcade game with some football elements, whereas *Sensible Soccer* was written by football fans as a real football simulation. As an arcade game, *Goal!* works really well. It is very playable, even more so than *Kick Off 2*, and the more you play the better your moves become.

The flexibility of the game and the scope for controlling the ball are much greater than in *Sensible*, but there is still the overriding feeling that something is lacking. Maybe it's that the throw-ins are too fiddly, or that sometimes the dying seconds of a match tick away while you're waiting for a corner to be set up, or simply that it's too easy to scream unchallenged up the pitch from the kick off and score.

Anyway, I'm sure that both *Goal!* and *Sensible Soccer* will both remain on my playlist for a long time. They are both highly playable games, but for me *Sensible* definitely has the edge – and the comments from the rest of the team seem to back this up – it is still the definitive Amiga football game.

RICHARD BAGULEY
AMIGA FORMAT



***Goal!* is, above all, a football game, and I'm afraid that as far as I'm concerned, this isn't a positive thing. After all, what is it all about? 22 blokes kicking a bit of wet leather around a muddy football field? Not my idea of fun...**

Mind you, it is fun. There's an art to trapping and running the ball, but it's too easy to kick off and bomb straight down the field towards the goal. Mind you, most of the goalies are pretty good, so it's not always that easy. You don't get the feel of space on the pitch as with *Sensible Soccer*, and there's not the same tactical edge. Mind you I'll be coming back for more...

STEPHEN BRADLEY
AMIGA FORMAT



When these pretenders to the *Sensible* throne turn up you've got to give 'em a chance right? Not perhaps for the purist, *Goal!* seems to want to be all things to all men. There are loads of options but not enough attention to detail, the game is a mish-mash of styles.

Yet *Goal!* works. It's fast, exciting and immensely playable even though it's not particularly realistic – but who said it had to be? You don't get the sense of space that *Sensible* offers and the ball pings around like pinball. A bit gimmicky for me, but perhaps I'm being overly fussy. It's good, it's solid, but it's not *Sensible*.

Goal!
Virgin Games ■ £30.99

- **Difficult to get into, but rewarding when you stick at it. With practice some excellent moves and one-touch play can be achieved.**
- **No cup competition, but the usual host of options (and more).**
- **Very intelligent computer opponents who don't just stick to set pieces – they actually seem to think for themselves.**
- **A fine arcade game, and a big improvement on *Kick Off 2*, but it doesn't have the feel of *Sensible Soccer*.**



88%

BATTLE ISLE '93



The Moon of Chromos

The unimaginable has happened: despite his enormous material losses, Skynet Titan has managed to recover and is preparing for a new, final attack.
The Drulls and Skynet Titan have both been searching for the vital energy crystals which have become rare on Chromos, and have managed to find some on a moon. But wherever the Drulls try to gain a foothold, they find the enemy has got there before them. Skynet Titan is mobilising his still enormous forces once more. Fighting has already broken out. Can the Drulls emerge victorious from this last battle?

With its new maps, new music and newly created units, this game represents a milestone in strategic simulations. Even the most experienced BATTLE ISLE General will be forced to rethink his strategy in this continuation of the BATTLE ISLE saga, which also includes animated sequences.
Like all parts of BATTLE ISLE, this next step into the universe of BATTLE ISLE is designed for 1 or 2 players and can be installed on your hard disk.







Available for Commodore AMIGA & MS-DOS (VGA)
Kompart UK Ltd. • 20 Guildford Road • AL1 5JY • St. Albans, Herts. • 0727 868005





©1993 by Blue Byte Software GmbH • Aktienstr 62 • 45473 Mülheim • Germany

AMAZING TEA EGG!

THIS GREAT THING COULD BE YOURS FOR ONLY £1.95!

Hand. Sold separately.

High quality metal alloy handle. Firmly grasping this will facilitate easy retrieval of your tea. However, it isn't designed to keep you in touch with the fast-moving videogames scene.

Finely tooled, stainless steel chain. Available in gold, pig-iron and copper-look. Even the heaviest tea portions will fail to break this high quality linkage. But it can't tell you about the new Mario movie, the very latest games in the arcades, and it has never interviewed Bob Hoskins.

Easy tea insertion/removal clip. Computer designed to allow rapid tea removal and insertion for your enhanced drinking pleasure. But be aware – utilising this feature will not tell you how to complete Battletoads, Superfrog, Tiny Toons and Jungle Strike.

Finest mesh. The close weave ensures only the flavour fills your cup. Designed by Swedes, the mesh retains even the smallest tea particles within. With no rust guaranteed*. But the mesh doesn't preview ALL the biggest videogames.

Manufacturers note: this product does not come with a Comet Discount Card or a GamesMaster window sticker either.

* No-rust guarantee is for 1 week only.



See! Only £1.95! And for this piffling amount you get:

Mega CD Dracula reviewed – we tell it like it is!

The very best in tips.

Mario the movie. Shots from the film AND an interview with the massive Bob Hoskins.

Everything, for every machine, gets the full, fair, no punches pulled, rollicking treatment.

Previews for EVERY machine!

TWO freebies! A Comet Discount Card that'll save you money. And a GamesMaster window sticker that'll, well, stick to glass and look nice!

For the same price as a Tea Egg you could buy GamesMaster!

It's packed with reviews, tips, previews and jolly laughs for all the family. And it makes great coffee.

AMIGA NEW LOW PRICES!

FROM SILICA SYSTEMS
THE UK's No1 AMIGA SPECIALISTS

FREE! ZOOL
SOFTWARE PACK - FROM SILICA

ZOOL is the software pack of the year. It includes: Zool, Transwrite, Pinball Dreams and Striker - Value £127.92.

All Amigas from Silica (excluding A600 Standalone and Amiga 4000) include a FREE ZOOL pack as well as GFA Basic and Photon Paint II.

ZOOL — Platform Title of the year - 97% Amiga Comp - Nov '92	£25.99
TRANSWRITE — Word Processor and Spell Checker	£49.95
PINBALL DREAMS — Pinball Simulation - 94% AUI - Sept '92	£25.99
STRIKER — Soccer Simulation - 94% CU Amiga - June '92	£25.99
ZOOL PACK:	£127.92
GFA BASIC v3.5 — Powerful Basic Programming Language	£50.00
PHOTON PAINT II — Powerful Graphics Painting Package	£89.95
TOTAL VALUE:	**£267.87**

PLUS! TOTAL VALUE: £267.87

AMIGA 500 PLUS — CARTOON CLASSICS
SAVE £100! 2Mb VERSION +£30 — INCLUDES BUILT-IN BATTERY BACKED CLOCK — INCLUDES BUILT-IN NUMERIC KEYPAD — FREE! ZOOL PACK + GFA + PHOTON

1 YEAR RETURN TO SILICA WARRANTY

PACK INCLUDES:
- 1Mb AMIGA 500PLUS £299.99
- BUILT-IN 1Mb DRIVE .... -
- A520 TV MODULATOR .... -
- THE SIMPSONS £24.99
- CAPTAIN PLANET £25.99
- LEMMINGS £25.99
- DELUXE PAINT III £79.99

FREE FROM SILICA (See Top Left) £267.87
TOTAL PACK VALUE: £724.82
LESS PACK SAVING: £525.82
SILICA PRICE: £199.00

1Mb RAM — SRP — £199 INC VAT - AMC 0592
2Mb RAM — SRP — £229 INC VAT - AMC 0592 + RAM 0520

AMIGA 600 — STANDALONE
2Mb VERSION +£30 — FREE! PHOTON PAINT II

1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

We are pleased to offer the Amiga 600 with Photon Paint II, at a new low Silica price of only £199, a full £100 saving off the previous SRP.

PACK INCLUDES:
- 1Mb AMIGA 600 .... £199.99
- BUILT-IN 1Mb DRIVE .... -
- BUILT-IN TV MODULATOR .... -

PLUS! FREE FROM SILICA:
- PHOTON PAINT II £89.95

TOTAL PACK VALUE: £289.94
LESS PACK SAVING: £90.94
SILICA PRICE: £199.00

1Mb RAM — PREVIOUSLY — £199 INC VAT - AMC 0625
2Mb RAM — PREVIOUSLY — £229 INC VAT - AMC 0625 + RAM 0565

AMIGA 600 — LEMMINGS PACK
2Mb VERSION +£30 — FREE! ZOOL PACK + GFA + PHOTON

1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

PACK INCLUDES:
- 1Mb AMIGA 600 .... £199.99
- BUILT-IN 1Mb DRIVE .... -
- BUILT-IN TV MODULATOR .... -
- DELUXE PAINT III £79.99
- LEMMINGS £25.99

FREE FROM SILICA (See Top Left) £267.87
TOTAL PACK VALUE: £573.84
LESS PACK SAVING: £344.84
SILICA PRICE: £229.00

1Mb RAM — PREVIOUSLY — £229 INC VAT - AMC 0666
2Mb RAM — PREVIOUSLY — £259 INC VAT - AMC 0666 + RAM 0565

AMIGA 600 — WILD, WEIRD & WICKED
2Mb VERSION +£30 — FREE! ZOOL PACK + GFA + PHOTON

1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

PACK INCLUDES:
- 1Mb AMIGA 600 .... £199.99
- BUILT-IN 1Mb DRIVE & TV MODULATOR .... -
- DELUXE PAINT III £79.99
- MICROPROSE GRAND PRIX £34.99
- SILLY PUTTY £25.99
- PUSH OVER £25.99

FREE FROM SILICA (See Top Left) £267.87
TOTAL PACK VALUE: £634.82
LESS PACK SAVING: £405.82
SILICA PRICE: £229.00

1Mb RAM — PREVIOUSLY — £229 INC VAT - AMC 0649
2Mb RAM — PREVIOUSLY — £259 INC VAT - AMC 0649 + RAM 0565

AMIGA 600HD — EPIC + HARD DRIVE
INCLUDES 20Mb HARD DRIVE — 2Mb VERSION +£30 — FREE! ZOOL PACK + GFA + PHOTON

1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

PACK INCLUDES:
- 1Mb AMIGA 600 .... £199.99
- BUILT-IN 1Mb DRIVE & TV MODULATOR .... -
- 20Mb HARD DISK £149.00
- EPIC - A SCI-FI ADVENTURE £29.99
- ROME - ROLE PLAYING ADVENTURE £25.99
- MYTH - STOP THE SPREAD OF EVIL £19.99
- TRIVIAL PURSUIT - POPULAR QUIZ £29.99

FREE FROM SILICA (See Top Left) £267.87
TOTAL PACK VALUE: £722.82
LESS PACK SAVING: £423.82
SILICA PRICE: £299.00

1Mb RAM, 20Mb HARD DRIVE — PREVIOUSLY — £299 INC VAT - AMC 0799
1Mb RAM, 40Mb HARD DRIVE — PREVIOUSLY — £349 INC VAT - AMC 0899

AMIGA 1200 — COMIC RELIEF
2Mb RAM AS STANDARD — FREE! ZOOL PACK + GFA + PHOTON

1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

- 68020EC Processor
- 14.19MHz Clock Speed
- 32-bit Architecture
- 2Mb Chip RAM
- Amiga DOS v3.0
- AA Chip Set for Enhanced Graphics
- 16.8 Million Colours
- 256,000 Colours on Screen
- Built-in TV Modulator
- 1 x 32-Bit CPU/RAM Expansion Slot
- PCMCIA Smart Card Slot takes 512K, 1Mb or 4Mb PC Cards
- 96 Key keyboard with Integral Numeric Keypad
- 2½" Internal IDE Hard Drive Options - see column on right
- 1 Year On-site Warranty
- FREE GIFTS FROM SILICA (See Top Left)

NEW! AA CHIPSET

2Mb RAM — RRP — £399 INC VAT - AMC 1212

AMIGA 1200 COMIC RELIEF + HARD DISK
C= OFFICIAL UPGRADE — 85Mb HARD DISK — FREE! ZOOL PACK + GFA + PHOTON

1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

Silica are pleased to offer the Amiga 1200 Comic Relief Pack with your choice of hard disks (85Mb, 127Mb or 209Mb). These are legal upgrades approved by Commodore. Both the A1200 and Hard Disk are fully covered by Commodore's official 1 year on-site warranty with WANG. Look out for the special sticker to ensure that the upgraded A1200 you buy is an official version, which includes Commodore's full approval and 1 year on-site warranty.

NEW! AA CHIPSET

2Mb RAM, 85Mb HARD DISK — £599

RAM	HD	Price
2Mb	85Mb	£599 INC VAT
2Mb	127Mb	£699 INC VAT
2Mb	209Mb	£849 INC VAT

AMIGA 1500 — HOME ACCOUNTS
FREE PC BRIDGE BOARD WORTH £100 — SAVE £300! — MONITOR OPTIONAL EXTRA — FREE! ZOOL PACK + GFA + PHOTON — FULLY EXPANDABLE

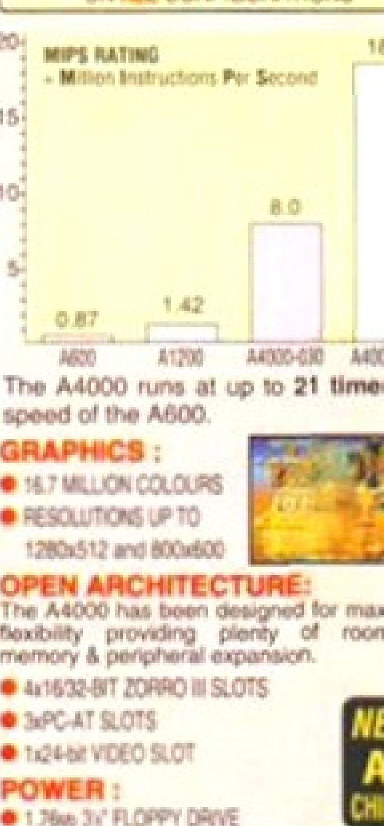
1 YEAR RETURN TO SILICA WARRANTY

PACK INCLUDES:
- 1Mb AMIGA 1500 .... £699.99
- 2 x 3½" BUILT-IN 1Mb FLOPPY DRIVES .... -
- EXPANSION SLOTS .... -
- PC COMPATIBILITY .... -
- VIDEO SLOT — For enhanced graphics .... -
- PC-XT BRIDGEBOARD SUPPLIED £100.00
- PLATINUM WORKS SOFTWARE — Word processor, database, spreadsheet £169.95
- PUZZNIC £24.99
- TOKI £24.99
- ELF £24.99
- HOME ACCOUNTS £29.99
- DELUXE PAINT III £79.99
- AMIGA VISION £111.63

FREE FROM SILICA (See Top Left) £267.87
TOTAL PACK VALUE: £1534.39
LESS PACK SAVING: £1135.39
SILICA PRICE: £399.00

1Mb RAM — RRP — £399 INC VAT - AMB 1525

AMIGA 4000 — SPECIFICATIONS



MONITOR OPTIONAL EXTRA

1 YEAR ON SITE/AT HOME WARRANTY ON ALL CONFIGURATIONS

MIPS RATING - Million Instructions Per Second

A600	A1200	A4000-030	A4000-040
0.87	1.42	8.0	18.7

The A4000 runs at up to **21 times** the speed of the A600.

GRAPHICS:
- 16.7 MILLION COLOURS
- RESOLUTIONS UP TO 1280x512 and 800x600

OPEN ARCHITECTURE:
The A4000 has been designed for maximum flexibility providing plenty of room for memory & peripheral expansion.
- 4x16/32-BIT ZORRO III SLOTS
- 3xPC-AT SLOTS
- 1x24-bit VIDEO SLOT

POWER:
- 1.76Mb 3½" FLOPPY DRIVE

NEW! AA CHIPSET

AMIGA 4000 — CONFIGURATIONS
6Mb RAM — Check out our new Amiga 4000 configurations below. Silica offer the best value for money, with 6Mb of RAM included in most models.

PLUS! FREE FROM SILICA
- Amiga Vision, Photon Paint II & GFA Basic

25MHz 68030EC

RAM	HD	Price
4Mb	80Mb	£999
6Mb	120Mb	£1099 INC VAT
6Mb	214Mb	£1199 INC VAT
6Mb	245Mb	£1299 INC VAT
6Mb	340Mb	£1399 INC VAT
6Mb	540Mb	£1699 INC VAT

25MHz 68040

RAM	HD	Price
6Mb	80Mb	£1999
6Mb	120Mb	£2099 INC VAT
6Mb	214Mb	£2199 INC VAT
6Mb	245Mb	£2299 INC VAT
6Mb	340Mb	£2399 INC VAT
6Mb	540Mb	£2699 INC VAT

RAM UPGRADES FOR THE AMIGA 4000

4Mb to 6Mb:	2 x 1Mb @ £35 per Mb =	£70
6Mb to 10Mb:	1 x 4Mb @ £30 per Mb =	£120
10Mb to 14Mb:	1 x 4Mb @ £30 per Mb =	£120
14Mb to 18Mb:	1 x 4Mb @ £30 per Mb =	£120

ALL PRICES INCLUDE VAT

CDTV ADD-ON — FOR A500 or A500PLUS
With FREE SIM CITY CD + CDPD COLLECTION

- Enables your Amiga 500 to run CDTV software
- Plays normal audio CD discs
- Storage capacity equal to 600 floppy disks
- Transfer time 153Kb/second
- Compatible with CD + G and CD + MIDI formats
- Compatible with ISO9660 standard
- Some old A500s need modification - call for details

HALF PRICE CDTV — RRP — £149 INC VAT - CCD 0570

COMMODORE APPROVED
Silica Systems have been a fully authorised Amiga dealer ever since the product range was launched. As part of our service, we can upgrade Amiga 600 or 1200's with hard drives, for new or existing owners. In both cases, Commodore's official on site warranty is unaffected. Silica offer other upgrades too and provide a comprehensive repair service for A500 and A500PLUS computers.

UPGRADES & REPAIRS
- Latest test equipment
- 20 trained technicians
- 1,000s of parts in stock
- FAST, 48 hour service
- We can collect (£5+VAT)
- FREE return courier
- All work guaranteed

CALL FOR A PRICE LIST and details of all upgrades available

ALL PRICES INCLUDE VAT - DELIVERY IS FREE OF CHARGE IN THE UK MAINLAND

280593-OPI/5

SILICA SYSTEMS - THE AMIGA SPECIALISTS

Before you decide when to buy your new Amiga computer, we suggest you think very carefully about WHERE you buy it. Consider what it will be like a few months after buying your Amiga, when you may require additional peripherals or software, or help and advice with your new purchase. And, will the company you buy from contact you with details of new products? At Silica Systems, we ensure that you will have nothing to worry about. We have been established for almost 14 years, we are Amiga specialists and are a Commodore approved dealer. With our unrivalled experience and expertise, we can now claim to meet our customers' requirements with an understanding which is second to none. But don't just take our word for it. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Systems Service".

- **COMMODORE APPROVED UPGRADES:** Official Hard Drive upgrades with WANG on-site warranty.
- **FREE OVERNIGHT DELIVERY:** On all hardware orders shipped in the UK mainland.
- **TECHNICAL SUPPORT HELPLINE:** A team of Amiga technical experts will be at your service.
- **PRICE MATCH:** We match competitors on a "Same product - Same price" basis.
- **ESTABLISHED 14 YEARS:** We have a proven track record in professional computer sales.
- **£12 MILLION TURNOVER (with 60 staff):** We are solid, reliable and profitable.
- **BUSINESS + EDUCATION + GOVERNMENT:** Volume discounts are available. Tel: 081-308 0888.
- **SHOWROOMS:** We have demonstration and training facilities at all our stores.
- **THE FULL STOCK RANGE:** All of your Amiga requirements are available from one supplier.
- **FREE CATALOGUES:** Will be mailed to you, with special reduced price Amiga offers, as well as details on all Amiga software and peripherals.
- **PAYMENT:** We accept most major credit cards, cash, cheque or monthly terms (APR 29.8% - written quotes on request).

SILICA SYSTEMS

HOT LINE 081-309 1111

MAIL ORDER: Order Lines Open: Mon-Sat 9.00am-6.00pm	1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX — No Late Night Opening	Tel: 081-309 1111 — Fax No: 081-308 0608
LONDON SHOP: Opening Hours: Mon-Sat 9.30am-6.00pm	52 Tottenham Court Road, London, W1P 0BA — No Late Night Opening	Tel: 071-580 4000 — Fax No: 071-323 4737
LONDON SHOP: Opening Hours: Mon-Sat 9.30am-7.00pm	Selfridges (Basement Arena), Oxford Street, London, W1A 1AB — Late Night: Thursday - 8pm	Tel: 071-629 1234 — Extension: 3914
SIDCUP SHOP: Opening Hours: Mon-Sat 9.00am-5.30pm	1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX — Late Night: Friday - 7pm	Tel: 081-302 8811 — Fax No: 081-309 0017
ESSEX SHOP: Opening Hours: Mon-Fri 10.00am-5.30pm (Sat 9.00am-6.00pm)	Keddies (2nd Floor), High Street, Southend-on-Sea, Essex, SS1 1LA — Late Night: Thursday - 7pm	Tel: 0702 468039 — Fax No: 0702 468039

To: Silica Systems, AMFOR-0893-104, 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX

PLEASE SEND A 64 PAGE AMIGA COLOUR CATALOGUE

Mr/Mrs/Miss/Ms: ...... Initials: .... Surname: ....

Company Name (if applicable): ....

Address: ....

....

.... Postcode: ....

Tel (Home): .... Tel (Work): ....

Which computer(s), if any, do you own? 104E

Vikings lost in space! Strange, but true in this game. But how can you help the hairy long boat paddlers find their way home? It's all in the puzzles...

The Lost


You have to use the combined skills of the lost vikings to complete each level. It adds platform fun to a puzzle game.


When a lost viking needs to get high, he just jumps on a bubble...


Olaf and his shield come in handy when you meet alien snails with a bad dose of catarrh.

You know the saying, 'there's comedy in numbers' (or something like that), well it holds true if you cast your mind back to the great double acts of our time: Laurel and Hardy, Abbot and Costello, Morecombe and Wise, Sapphire and Steel. And three can be fun-nie too. The Three Stooges, Three of a Kind, The Andrews Sisters – oh well, maybe three is a difficult number to work with and be funny, unless you are three Norsemen lost in space. Which brings us to Interplay's new cute puzzler cum platform game.



If you're experiencing that lost and lonely feeling friendly aliens provide you with helpful info.

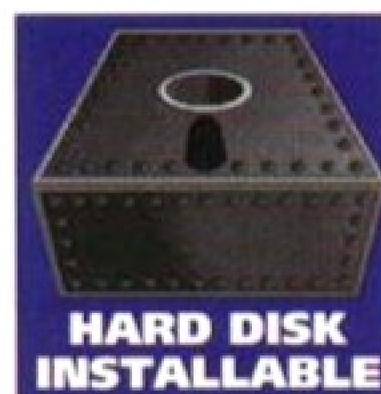


Cutting remarks about people who haven't been on the Slimfast diet are popular in this game.

Vikings are the central characters in this port from the SNES to the Amiga. The plot is fairly irrelevant – some alien geezer, Tomator, has vikingnapped three lovable dudes who go by the name of Olaf the Stout, Baelog the Fierce and Erik the Swift. Oh yes it's all very Norse-like isn't it? Well no actually, because all the action starts and ends on Tomator's spaceship, and throughout play there's not a long boat in sight. Which I'm pleased to see, 'cos I can't bear all that raping and pillaging.

It's a team game

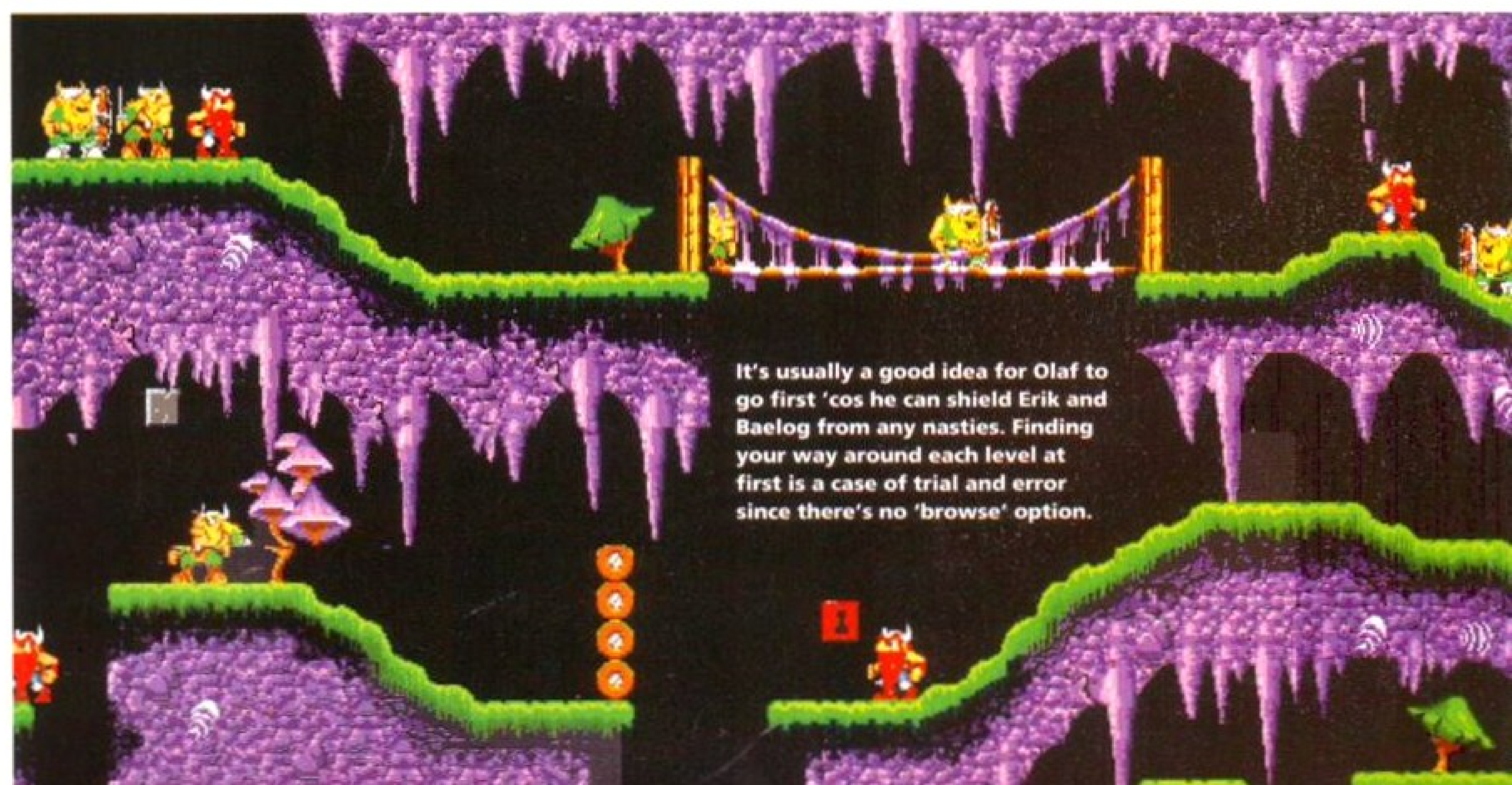
Teamwork is the name of this game, since you have to get all three of your clan to the exit in each level. And each viking has his own special skill which aids the other two in reaching the end. Olaf is a big fat slow lump who carries a Captain America-style shield which is handy for deflecting alien firepower and using as a sort of parachute; Baelog is the fighter of the gang, and carries a sword to slice up enemies and a bow and arrow which can be used to flick otherwise unreachable switches; finally there's Erik who moves like greased lightning, and can leap and jump about like a frog on ecstasy – oh yes and he's great at nutting walls and making them fall down too.


HARD DISK INSTALLABLE

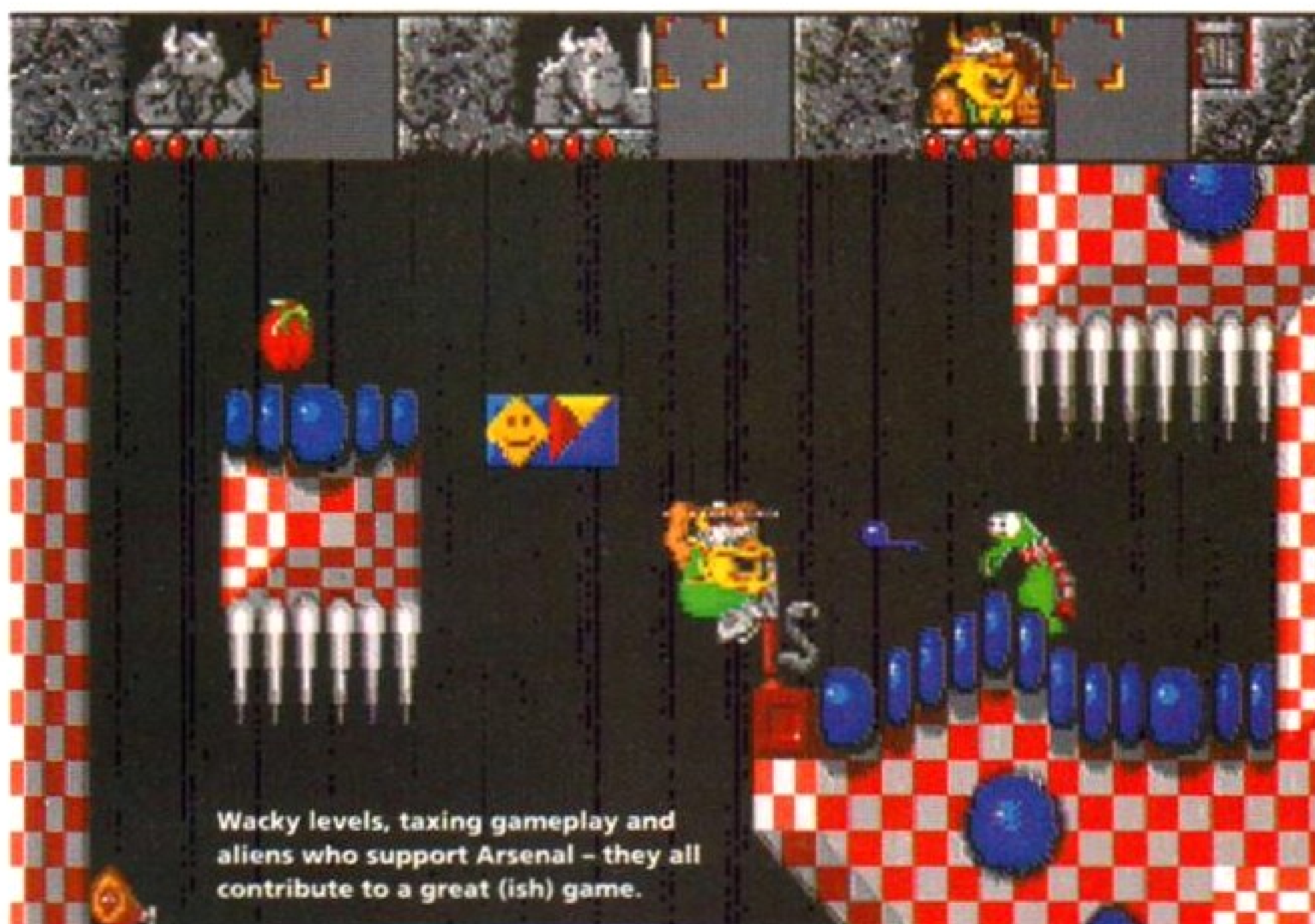
THE LOST VIKINGS is available from Interplay on 0865 390029

The Lost Vikings is in a very similar vein to *Humans* and even *Lemmings*. Each level has its quota of platforms, ladders, trapdoors, secret keys, weapon wielding baddies, special switches and it's up to you to try and fathom your way out of each tricky puzzle.

What Interplay have done which Mirage didn't with *Humans*, though, is make you


It's usually a good idea for Olaf to go first 'cos he can shield Erik and Baelog from any nasties. Finding your way around each level at first is a case of trial and error since there's no 'browse' option.

Vikings


Wacky levels, taxing gameplay and aliens who support Arsenal – they all contribute to a great (ish) game.

become attached to Olaf and co. Each viking has his own mannerisms – Olaf will pick his nose while holding off hordes of aliens with his shield, Baelog will stand around flexing his muscles and sharpening his sword, and Erik will pant away breathless after dashing about.

Throughout the levels there is a great rapport between them, their bickering is Stooge-like – as their speech bubbles crop up at the start and end of each level, they will have a natter or whinge at you if you take too long to complete a level – smatterings of *Monkey Island* methinks! All this makes you a tad upset if one of them falls and splats on a spike, or gets burnt by a flame thrower, thus making you more determined to get it right the next time.

So what's bad about this game? Well there's nowt up with the gameplay, and the soundtrack speeds you along at a fair old rate, and the game makes you chuckle too with some excellent characterisation. What is bad, though, is some sloppy programming – many's a time when Olaf should be daintily perched on the end of a platform and in actual fact he's hanging in mid air. This is frustrating when you're trying to time your pixel-perfect moves.

VFM?

The price is high too – for £29.99, 37 levels isn't much cop considering the number of levels you get with other games. And my final gripe is it takes ages to reload the level once you've messed it up – and you're bound to do this (especially on the later ones, because they're tricky) since there's not a 'browse through' function like there is in *Lemmings*. So have a copy of *Amiga Format* ready for a good read while loading, otherwise you will go blimmin' barmy. In fact always have a copy of *AF* handy – it's FAB, much like this game, but the poor loading and lack of levels let it down.

Gary Lord



The Lost Vikings
£29.99

- Nice puzzler that has a real 'let me just beat this level' edge to it.
- The viking bods are definite cuties and their witty asides brought a wry smile to my boat.
- It's painful loading when you have to attempt a level again, but luckily it recognises if you have two disk drives.
- Encourages teamwork without having to go on a poxy outward bound weekend.



79%

Three of the most exceptional Space Simulations ever!



- **Megatraveller 1**

"There can't be a more prestigious role-playing system than Megatraveller 1".

PC Plus

- **Elite Plus**

"Quite simply the most original gameplay since the birth of computer entertainment. An all time classic".

PC Format

- **Wing Commander**

"This is more than ever an essential addition to any self-respecting PC gamer's collection".

PC Review

The Complete Space Experience for IBM PC and Amiga

*Elite on Amiga versions

ELECTRONIC ARTS

MICROPROSE ORIGIN empire

Empire Software, The Spires, 677 High Road, North Finchley, London N12 0DA.
Telephone: 081-343 9143
Empire Software is a registered trademark of Entertainment International (UK) Ltd.

THE MAKING OF MEGA DRIVE STREET FIGHTER 2

Street Fighter 2: Championship Edition on the Mega Drive is 90% complete. When the game is released in September, Sega are predicting a bigger rush for copies than with *Sonic 2*.

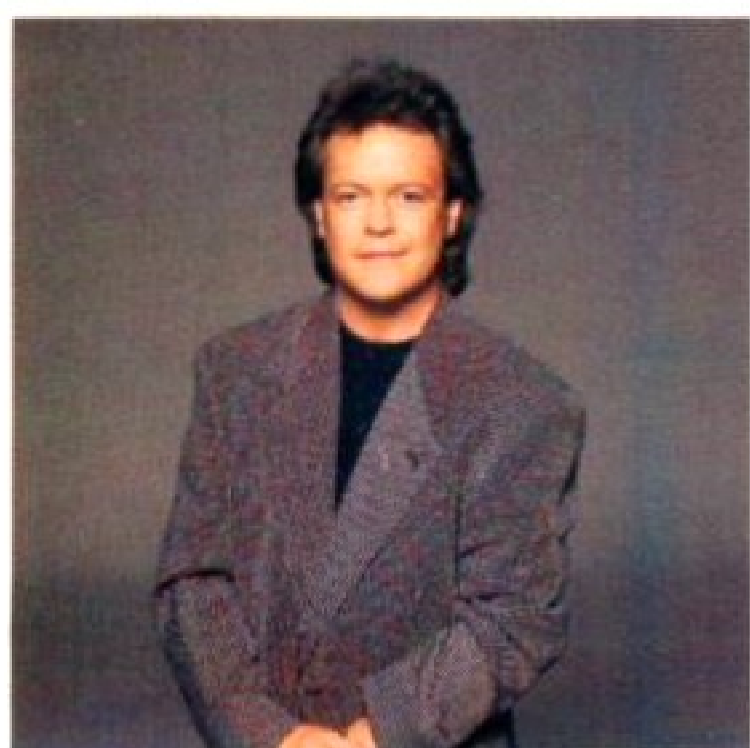
In this month's MEGA (the magazine 100% dedicated to Mega Drive and Mega CD), MEGA and Capcom proudly present The Making Of *Street Fighter 2: Championship Edition,* your 25-page guide to the ultimate coin-op and (soon to become) the ultimate Mega Drive game.

If you're serious about *Street Fighter 2: Championship Edition*, then you really can't afford to miss it...



MEGA

100% PURE SEGA MEGA DRIVE...



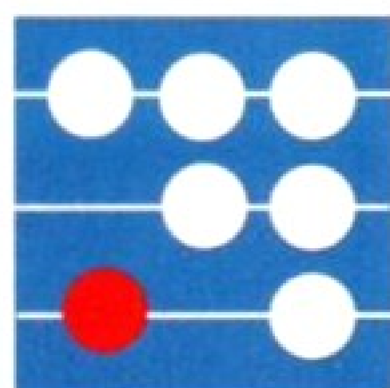
Bruno Brookes the popular Radio 1 and Sky TV presenter has joined Calculus

A keen Amiga 4000 owner and Panasonic fan, Bruno will be writing for Calculus, and is determined to take time out to visit as many stores as he can.

"I didn't realise just how many stores Calculus had, it's a real benefit to know that wherever I am there is likely to be a store near me, if I have any free time you can guess where I'll be".

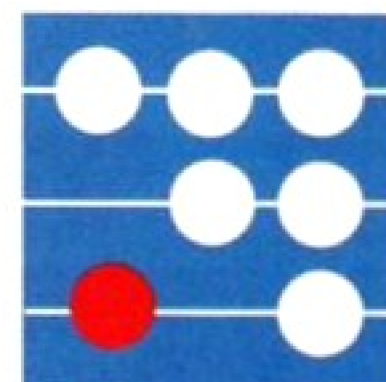
Kind Regards

Bruno



CALCULUS

COMPUTER STORES



INDEPENDENT CENTRES OF EXCELLENCE

1) HOLBURN SOFTWARE
111 Holburn Street Aberdeen
TEL 0224 211866

2) K COMPUTERS
10 Baker Street Stirling
TEL 0786 472313

3) K COMPUTERS
11 Lint Riggs Falkirk
TEL 0324 36555

4) MAUGHAN MICROS
93 The Galleria Metro Centre
Gateshead
TEL 091 493 2308

5) TOPSOFT COMPUTERS
7 Ramsgate Stockton
TEL 0642 670503

6) QUICK SYSTEMS
274 Linthorpe Road Middlesbrough
TEL 0642 232250

7) TOPSOFT COMPUTERS
6 Wellington Court mews Darlington
TEL 0325 486689

8) CASTLE COMPUTERS
9 Gage Street Lancaster
TEL 0524 61133

9) PV COMPUTERS
104 Abbey Street Accrington
TEL 0254 235545

10) CALCULUS COMPUTERS
85 Whitton Street Northwich
TEL 0606 47883

11) TOWN COMPUTERS
30 Town Road Hanley Stoke
TEL 0782 287540

12) CALCULUS COMPUTERS
Unit 30 Octagon Centre Burton-on-Trent
TEL 0283 517505

13) ANTICS
16 St Swithen Street Worcester
TEL 0905 22075

14) MR DISK
8 Smallbrook Queensway Birmingham
TEL 021 616 1168

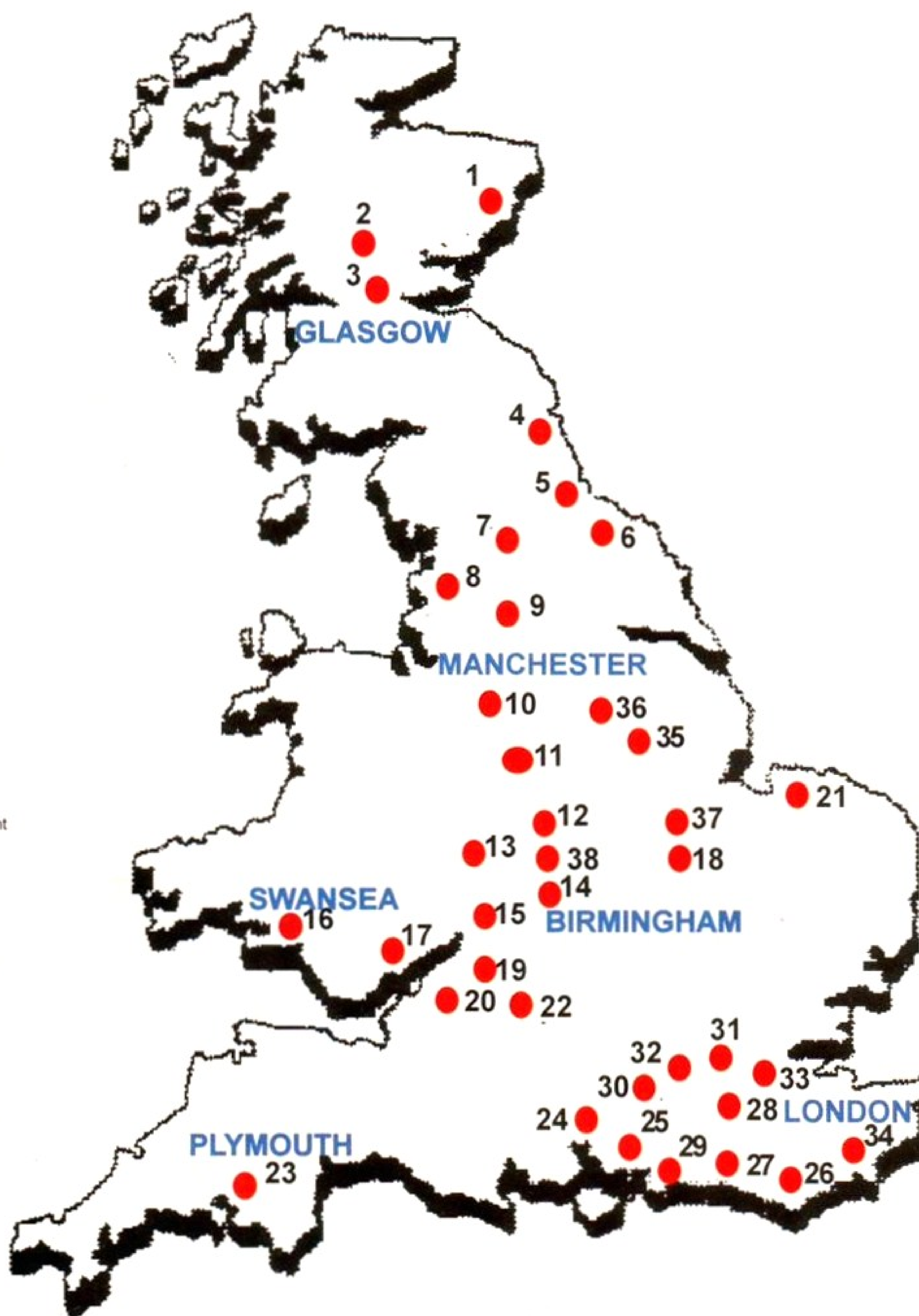
15) ANTICS
79 Northgate Street Gloucester
TEL 0452 410693

16) MICRO SUPPLIES
Unit 3 west street Goreinon Swansea
TEL 0792 893975

17) ANTICS
22 Castle Arcade Cardiff
TEL 0222 229065

18) MAYS COMPUTERS
57 Church Gate Leicester
TEL 0533 516789

19) ANTICS
8 Regents Circus Swindon
TEL 0793 430417



20) ANTICS
8 Fairfax Street. Bristol
TEL 0272 273744

21) COMPUTER PLUS
40 New Conduit Street. Kings Lynn
TEL 0533 774550

22) ANTICS
49 High Street. Stroud
TEL 0453 764487

23) ANTICS
30 Royal Parade. Plymouth
TEL 0752 221851

24) BITS AND BYTES
The Cascades. Portsmouth
TEL 0705 871890

25) BITS AND BYTES
267 London Road. Northend
TEL 0705 677497

26) COMPUTERWARE
271 Seaside. Eastbourne
TEL 0323 646100

27) BITS AND BYTES
6 High Street. Littlehampton
TEL 0903 72373528

28) CRAWLEY COMPUTERS
54 The Boulevard. Crawley
TEL 0293 561656

29) BITS AND BYTES
High Street. Bognor Regis
TEL 0243 867143

30) ANTICS
89e Woodbridge Road Guilford
TEL 0483 39115

31) MEGA BYTE
103 Elmers End Road Beckenham
TEL 081 676 8488

32) GREY-TRONICS LTD
T/A ELECTRIC EDGE
Unit 1015 The Whitgift Centre Croydon
TEL 081 686 9973

33)MEGA BYTE
14 High Street West Wickham
TEL 081 776 2766

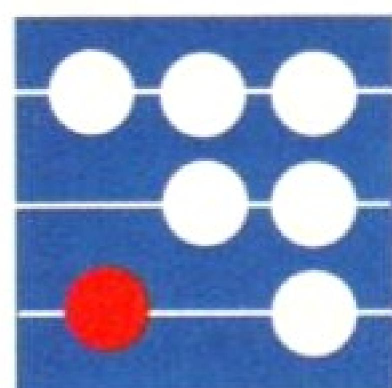
34) COMPUTERWARE
22 St Leonards Road
Bexhill on Sea
TEL 0424 223340

35) MANSFIELD COMPUTERS
31/ 33 Albert Street Mansfield
TEL 0623 631202

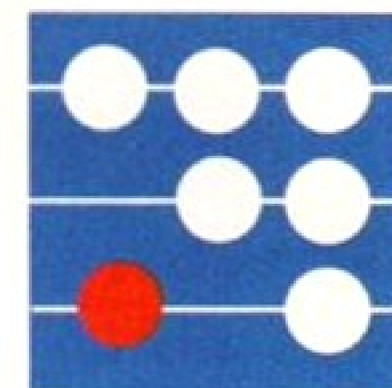
36) MCE COMPUTERS
13 Packers Row Chesterfield
TEL 0246557008

37) CAVENDISH COMMODORE CENTRE
144 Charles Street Leicester
TEL 0533 510066

38) CALCULUS COMPUTERS
48 Park Mall Saddlers Centre Walsall
TEL 0922 21700



CALCULUS



COMPUTER STORES



BRUNO'S HINTS AND TIPS

Each month Bruno Brookes will pass on the best advice about Amiga and Panasonic products and will give a prize for best letter received

Worried that your A500 software might not be compatible with your new A1200? You can make your A1200 mor e compatible by holding down both mouse buttons and resetting your machine, once the menu appears select "DISPLAY OPTIONS", select "ORIGINAL CHIPTYPE", select "USE " and finally select "BOOT"

Write to : **Bruno Brookes Calculus Stores, Unit 1, Ringway Industrial Estate, Eastern Avenue Lichfield.WS13 7SF**

AMIGA A1200 £100 OFF

£100 for your A500 when you part ex it against your A1200



The latest 32 - bit home computer with 16.8 million colours.

Free Software Amiga Challenge Pack * International Sports Challenge * Indianapolis 500 Racing * Cool Croc Twins * Paradroid 90

A1200 STANDARD FEATURE * 68020 Processor * 2 Mb Chip RAM * AA Chipset * Alpha numeric keypad * PCMCIA Slot * 3.5" Internal Floppy * Built - inTV Modulator * Free 12 Months At - Home Maintenance

CALCULUS TRADE IN PRICE **£299.99** ~~£399.99~~

FREE AMIGA CHALLENGE ZAPSAC & T - SHIRT



A 600 Wild, Weird & the Wicked Pack



THE WILD THE WEIRD AND THE WICKED A600 is an ideal starter pack containing a considered mix of software, making the most of the Amigas capabilities.

PACK CONTAINS:

* **A600 Single Drive** * **Built in TV Modulator** * **1 Mb Memory** * **Pushover: Grandprix** * **Silly Putty: Deluxe Paint III** * **Mouse and Manuals**

FREE SOFTWARE AWARD WINNERS PACK * Space Ace * Kickoff * Pipemania * Populous * Zapsac and T -Shirt: **£122.52 FREE**

CALCULUS PRICE **£229.99**

A600 SD CALCULUS STAND ALONEPRICE **£199.99**

AMIGA A600 40 Mb EPIC PACK

SUMMER EXCLUSIVE OFFER

PACK CONTAINS:

* Built - inTV Modulator
* 1Mb Memory
* Mouse and Manuals
* EPIC , Rome, Myth, Trivial Pursuits (Language Lab Edition), Amiga Text, Deluxe Paint III

FREE 12 MONTHS ON - SITE WARRANTY
FREE AWARD WINNERS SOFTWARE
FREE ZAPSAC & T - SHIRT

~~£399.99~~

CALCULUS PRICE **£349.99**

EXCLUSIVE DEAL SAVE £50

FREE AT HOME SERVICE

PANASONIC KX - P2123
QUIET COLOUR PRINTER



The new high performance KX - P2123 24 - pin. Quiet colour printer offers leading edge quiet printing technology at an affordable price.

Fast Printing Speeds 192 CPS draft, 64 CPRS LQ and 32 CP SLQ.

Colour Printing 7 colour palette (blue, red, green, yellow, violet, magentaand black).

Quiet Printing Super quiet 43.5 - 46dBa sound level (most matrix printers are typically in excess of 60 dBa)

7 Resident Fonts Over 152,000 type styles using Super LQ, Courier Prestige, Bold PS, Roman, Script and Sans Serif.

24 PIN Diamond Printhead High performance and high quality output.

1 Year Warranty for total peace of mind.

CALCULUS PRICE **£229.99**

PANASONIC KX - P2180
QUIET COLOUR PRINTER



The new KX - P 2180 9 - pin quiet colour printer produces crisp clear text on mono or on 7 glorious colours with new quiet technology. The new KX - P 2180 is typically 15 dBa quieter in operation than its competition.

Fast Printing Speeds 192 CPS Draft and 38 CPS NLQ

Colour Printing 7 Colour Palette (blue , red, yellow, violet, magenta and black)

Quiet Printing Super quiet 45 - 48 dBa sound level (most matrix printers are typically in excess of 60 dBa)

6 Resident Fonts Over 6,100 type styles using courier, Prestige, Bold PS Roman, Script and Sans Serif Fonts.

3 Paper Paths Paper handling from top, bottom and rear for total flexibility.

1 Year Warranty for total peace of mind.

CALCULUS PRICE **£179.99** ~~£199.99~~ SAVE **£20**

LIMITED STOCKS AVAILABLE

PHONE 0543 251275... FOR YOUR LOCAL STORE... PHONE 0543 251275...

ALL PRODUCTS & PRICES ARE CORRECT AT TIME OF GOING TO PRESS BUT ARE SUBJECT TO AVAILABILITY

AMIGA 1200 HARD DRIVES

Calculus were the first Computer Stores to offer official Commodore approved systems. The A1200 HD 60 and HD 80 comes complete with 12 months on - site warranty and support from Commodores Official maintenance company, Wang UK. Beware of unofficial versions. Call your local Calculus Store for further details...

PYRAMID HANDY SCANNER

400 DPI HANDY SCANNER

Features:

* Upto 400 DPI Handy scanner for all Amiga Models.
* Overspeed scanning warning by LED and audible buzzer.
* Two large rubber rollers for straight tracking and smooth scanning.
* Cost effective scanning with one touch toggle switch .
* Full Pass thru printer port so scanner and printer can work simultaneously.
* Mode selection B/W halftone
* Graduation 32 levels

CALCULUS PRICE **£99.99**

COMPACT DISK PLAYER FOR A500 & A500 PLUS

*** Plus Free Hutchinsons Encyclopedia worth £49.99**

* Allow your Amiga to run CDTV Software
* Plays AudioCD's
* Storage capacity equal to 640 floppy disks
* Transfer time 154 Kb/ second

CD - A570 WAS ~~£349.99~~

CALCULUS PRICE **£149.99**

AMIGA 1084ST STEREO MONITOR



Commodore's original and best selling stereo monitor is fully compatible with all Amiga products and gives your system the total Commodore look. With our new Calculus price the 1084ST has never been better value.

* Stereo Sound * High Resolution Display * Ergonomic Design * Full Amiga Connectivity Pack * Compatible with all Amiga products.

CALCULUS PRICE **£194.99**

M1230 XA ACCELERATOR LAUNCH

Dramatically improves the performance of your Amiga A1200

Microbotics beats the competition on price, performance, features and configurations. We are very pleased to announce the availability of the new 68030 accelerator product for the A1200: the microbotics M1230 xa (call it the "xa" for short) 50 MHZ speed is standard! Memory management is standard! Huge 128 MB memory design is standard (the biggest memory space on any A1200 peripheral) Just look at these specifications and prices!

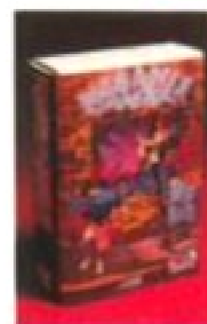
M1230 XA W/40 MHZ EC 030 0MB	PRICE £299.99
M1230 XA W/40 MHZ EC 030 4MB	PRICE £399.99
M1230 XA W/50 MHZ MMU 030 0MB	PRICE £399.99
M1230 XA W/50 MHZ MMU 030 4MB	PRICE £499.99

MBX 1200

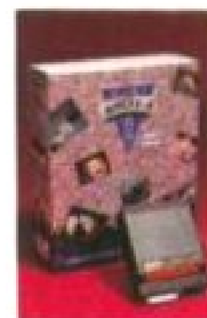
The original and best floating point unit and memory upgrade for the Amiga A1200. Available with 0.4 or 8 MB of 32 - bit FAST RAM and a choice of floating point units. Now complete with Real Time Clock (RTC)

MBX 1200Z 68881 14 MHZ 0MB	PRICE £149.99
MBX 1200Z 68881 14 MHZ 4MB	PRICE £299.99
MBX 1200Z 68881 14 MHZ 8MB	PRICE £399.99

ROMBO SOUND AND VISION



MEGA MIX. Low cost, hi spec digital effects cartridge plugs into the printer port of the Amiga. Allows stereo sampling from almost any musical source.
PRICE £29.99



VIDI AMIGA. The ultimate low cost colour digitiser for the Amiga. "The best value colour digitiser on the market" **AMIGA FORMAT**
PRICE £75.99



TAKE 2. Animation package is a must for computer artists of all ages. As used on Rolf Harris Cartoon Club.
PRICE £37.99

CDTV CENTRES

A number of Calculus Stores have in stock the full range of CDTV Peripherals and Software as well as in - house expertise. Call for your nearest store

ZAPPO EXTERNAL 3.5" DRIVE

A high quality external 3.5" drive for use with A500 + A600 / A1200. Exceptional value for money product. (FREE T - SHIRT)
PRICE £64.99



PHONE 0543 251275... FOR YOUR LOCAL STORE... PHONE 0543 251275...


Make you decisions here. Select the exact positions your men will run to after they lose two thirds of their vehicles, in other words.



About now is the time that you wish your other platoons had even the tiniest bit of artificial intelligence.


This is how you keep an eye on what everybody is up to. Confusing, but vital to outwit the enemy.

War in the Gulf



Just when you thought it was safe to go back into the desert, the fighting starts again and you're in the front line. But is it fun being there?

This is what will happen. In 1995 the Israeli and Arab factions will shoot at each other. There will be many casualties on both sides. The situation will be somewhat confused for a while, and a slightly surprising result of the fierce fighting will be the development of two divisions of elite Iraqi Republican Guards in Northern Kuwait.

The United Nations will decide to send in troops to evict the Iraqi soldiers and once more the world will be ringside for another desert rumble set to go the full 12 rounds.

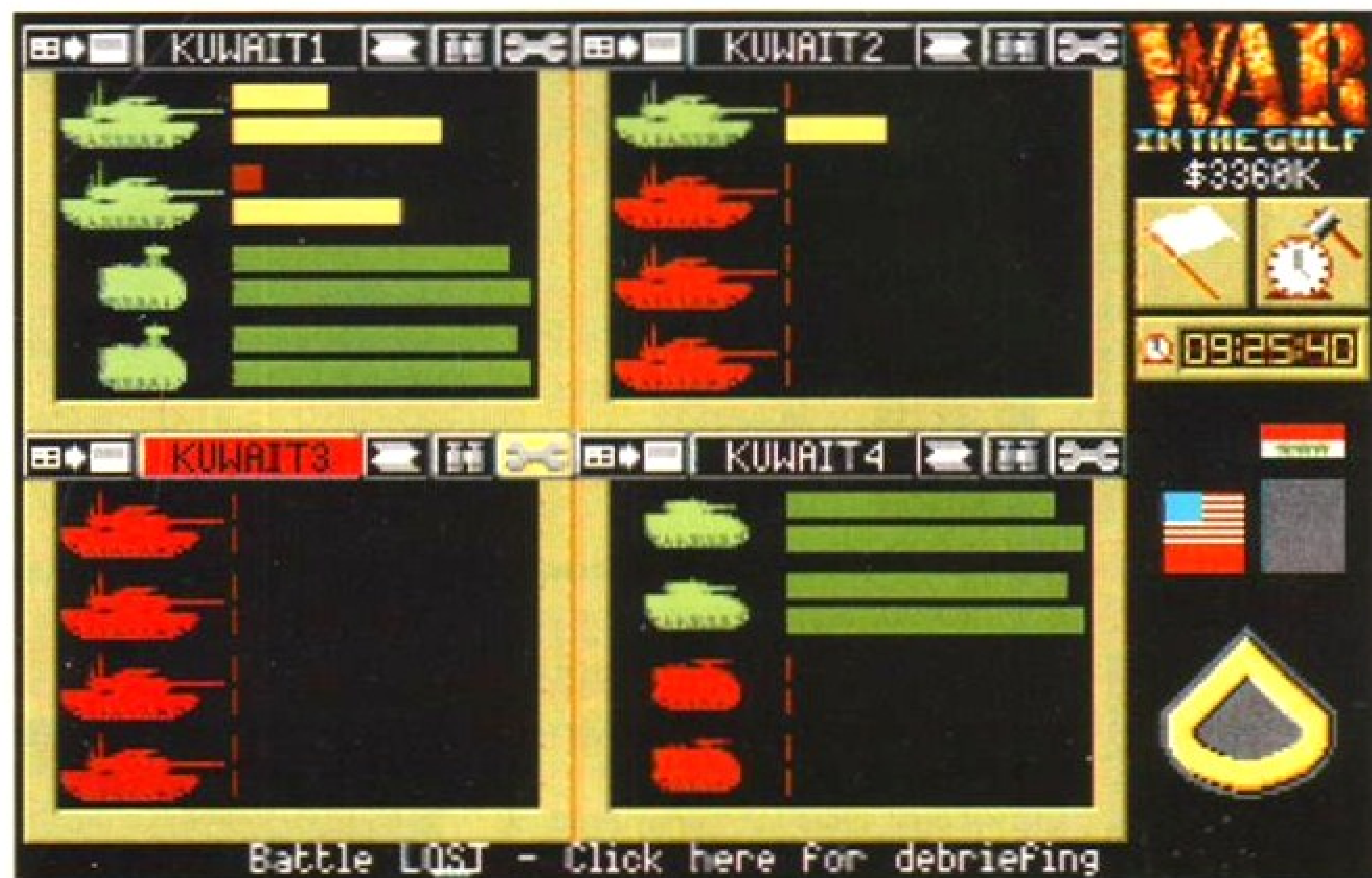
Take the M1 North

So leaving apart the slightly dodgy Gulf political issues, let's have a closer look at the tanks of the next major conflict.

War in the Gulf is the third in the *Team Yankee* series. Like *Team Yankee* itself, and more recently, *Pacific Islands*, it gives you control of 16 of America's finest and most dangerous armoured vehicles.

Again, as in the first two games, you get 10 M1 Abrams main battle tanks and six missile-firing personnel carriers. These are carefully and artistically arranged into four platoons. The control options enable you to move these platoons separately, so this, really, is the scale you've got to think about. Ranged against you are the forces of Mr Hussein's elite Republican Guard. Their company cars are T-72s, T-62s plus an assortment of lesser vehicles. Elite they may be, but they don't get the best of the Russian hardware, that's for sure. On paper and in the field your kit is better than theirs.

The problems start when you realise just how much of this not-very-good armour they have. Being Iraqis, and owning the world's



Winning isn't everything, you know. Sometimes it isn't even possible...

WAR IN THE GULF is available from Empire on 081-343 7337

GET A ROUND IN

There are four types of rounds in the game (as well as machine guns). Each has a specific role, and it's worth getting to know them and their abilities.


1 2 3 4

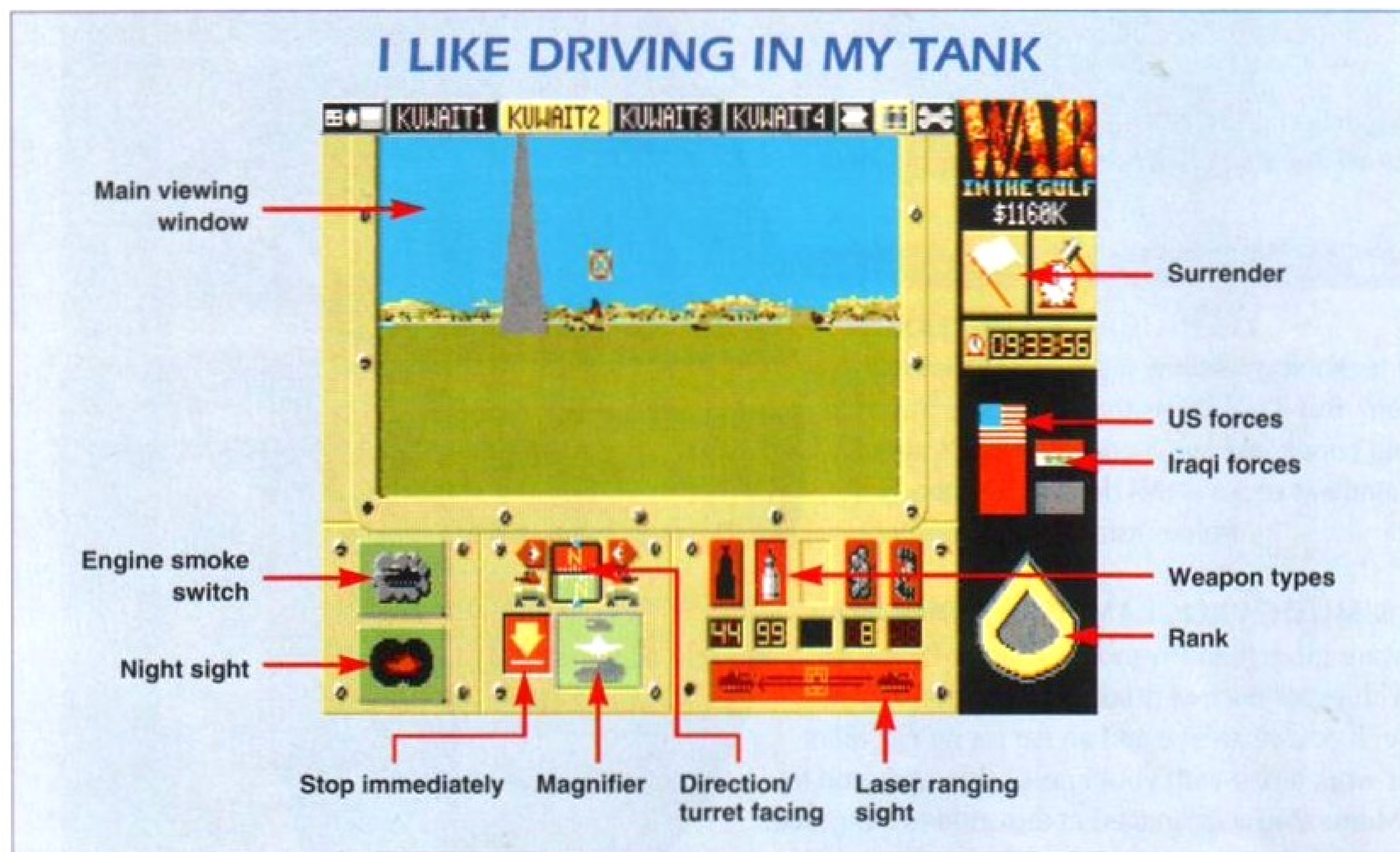
1 High Explosive (HE). This is perfect against buildings, lightly armoured vehicles, ammo dumps and trees.

2 Sabot (also known as Armour Piercing Fin Stabilised Discarding Sabot). This is a small kinetic round used to punch painful holes in heavy armour. No explosive capabilities, its speed is its power. Use only against tanks.

3 TOW. Tube-Launcher, Optically Tracked Wire Guided missile. Long range, great accuracy and very dangerous. These sit atop your Bradley M2s and ITVs.

4 Smoke. Hides your tanks and makes you cough.

I LIKE DRIVING IN MY TANK



fourth largest army, they don't skimp on sending their troops directly towards you. It can be quite unsettling, in fact.

Bunkers on the Gulf course

Each battle is fought on a map which appears to be about five miles square. There are villages, woods and, certainly on the training screen, rivers. It's just like being in Aldershot, actually, except that it isn't raining.

You go to the map view and position your forces as you see fit, bearing in mind the exhaustive mission briefing beforehand. This has such objectives as blowing up ammo dumps, blowing up warehouses, blowing up factories and, if you can spare the time, blowing up the enemy as well.

Until you come virtually face to face with them, enemy movement is hidden. This feature is one of the strengths of the program. You chance across enemy tanks and all hell breaks loose. It's feasible to destroy your own vehicles in the heat of battle, and the fog of war is sometimes so dense it's best to stay at home and only venture out if it's strictly necessary.

After your first encounter, you're left to lick your wounds and study the recognition charts. At times during the melee you'd swear that Empire have used the same sprites for the T-72s as for your M1s.



To remove unwanted detail from the heat of a battle, switch to nightsights. Only targets (and the odd tree) show up and things are much clearer.

During the battles, you must fire every shot and make every movement yourself. There are no intelligent crews. The secret is to use the game's multi-view option. This splits the screen into four, and each quadrant can display anything you can see on the main display. So two platoons can show the map and two can show the tank commander's view. This is a great help when you're attacked unexpectedly. It's also a hindrance when you need to dance between platoons to co-ordinate your firing. Dive for the manual and learn those short-cuts is the best advice.

Iraq in the Kasbah

There's also the weaponry to consider. HEAT rounds, Sabot shells, TOW missiles. It's amazing what they can do nowadays. Each has a different role, and if you know which to use, you'll probably live longer.

After each bout you need to re-arm and re-equip your team. This is done by spending a huge pile of cash. You can vary the armaments of your platoons and you can juggle with their strengths as well. What you can't do is go AWOL with the dosh.

All in all, *War in the Gulf* is as good as *Pacific Islands* and slightly better than *Team Yankee*. This is hardly surprising since it's virtually the same game. In fact, all that differs between it and *Pacific Islands* is the colour of the surface your driving across. Instead of a putting green, it's now a beige hospital carpet. The enemies use exactly the same equipment and you have precisely the same set up yourself. The missions are different, but not much. Hence the woods, villages and streams.

It's a pity that the game doesn't advance what is a fun and playable system. There are no helicopters, no new units and no new objectives. A large city covering the entire map would have been challenging, for example.

Although there's nothing new here, the missions do seem harder, which doesn't sound like war in the Gulf to me. Apparently, in real life the worst the Iraqis did was damage four M1s. Four out of nearly 2,000, that is. But you're faced with quite a task here. Unless your name's Schwarzkopf, moving and firing your 16 vehicles will tax you sufficiently by mission three.

Overall, this will appeal to die-hard *Team Yankee* fans and maybe those who have never played any of the series. It's the best of the three, but it's just not different enough.

James Leach



Sixteen vehicles all blasting in unison can be quite a moving experience. Especially if they're against overwhelming odds, and being destroyed as well.



The training mode shows you what to expect. Except that it's not nice and quiet and not filled with smoke, explosions and burning vehicles.



If you barrage at extreme range, you get a chance of killing the enemy before he can shoot back.

War in the Gulf
£25.99

- **Fast, frightening and fun combat.**
- **Nice control methods**
- **Tough enough to grip you for ages.**
- **Equal mixture of trigger action and brains.**
- **Very similar to *Pacific Islands* and *Team Yankee*.**



78%

Psygnosis is destined to become the premier on-screen entertainment developer in the 90's. No question. So it's no coincidence that Psygnosis, the flagship of the Sony Electronic Publishing Company, has been committed to developing games on every major format and on CD-ROM practically since its inception. Investment, research and a far-sighted dedication to this advanced medium has meant that we're far ahead of the competition and looking to expand even further as Psygnosis prepares to take the computer games market by storm.

An integral part of this schedule of market domination is the attraction of talented people of graduate calibre to work in all areas of our business.

PSYGNOSIS

working on the cutting EDGE

competitive salaries

based throughout the UK

TECHNICAL SALES PERSON

The opportunity to work on the very edge of technology, selling a product which will, quite literally, sell itself is a sales person's dream. But it's a dream that will come true at Psygnosis. Couple this with outstanding working conditions and a company that's about to embark on some of the most exciting entertainment projects this decade, and this is a truly outstanding opportunity.

MUSICIANS & MUSIC PROGRAMMERS (CD-ROM)

No one recognises the worth of music in software more than Psygnosis. That's why we're investing in people of the highest calibre and with experience of producing computer game music/sfx and using MIDI-based music software. If you've an eye and an ear for an excellent opportunity, send a cassette/DAT tape of your work along with your application and send to Philip Morris (Music Manager) at the address alongside.

GAMES DESIGNERS

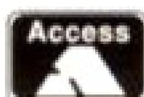
From innovative Amiga to interactive CD-ROM, you'll be a vital element in the development of quality software. If you have a track record of games design and would like to work for one of the fastest growing companies in the world, then we'd like to hear from you.

Please apply with full CV, covering letter and demo (where applicable) to Graham Stafford, Psygnosis Ltd, South Harrington Building, Sefton Street, Liverpool L3 4BQ quoting ref no. AM/GS3

Mail Order Express Distribution

HUMANS £16.99

NIGEL MANSELL £15.99



10 Commercial Street, Batley, West Yorkshire WF17 5HH



Call us on 0924 422057 or 0924 422226, Mon-Sat 8.00am-8.00pm

3D Construction Kit 2.0	£32.99	Dyna Blasters	£18.99	Nigel Mansell's Formula 1	£15.99
Addams Family	£12.99	Easy Amos	£21.99	Nova 9	£15.99
Adventurers	£15.99	Elite	£15.99	Parasol Stars	£15.99
Arthur Macleans Pool	£15.99	Espana Games 92	£15.99	Pinball Dreams	£15.99
A-TRAIN	£21.99	F15 Strike Eagle 2	£15.99	Pinball Fantasies	£15.99
AV8B Harrier Assault	£21.99	Fire & Ice	£15.99	Populous 2	£18.99
B17 Flying Fortress	£21.99	Fire Force	£15.99	Premier Manager	£14.99
Battle Isle	£15.99	First Samurai/Megalomania	£15.99	Pushover	£15.99
Battle of Britain	£15.99	Formula 1 Grand Prix	£19.99	Putty	£15.99
B.C. Kid	£15.99	Graham Taylors Soccer	£13.99	Railroad Tycoon	£16.99
Big Box 2	£17.99	Heimdall	£15.99	Raving Mad	£15.99
Captive	£10.99	Historyline	£21.99	Road Rash	£15.99
Carl Lewis Challenge	£15.99	Hook	£15.99	Sabre Team	£15.99
Championship Manager	£15.99	Humans	£16.99	Sensible Soccer	£15.99
Chaos Engine	£15.99	Kings Quest 5	£18.99	Shadow of the Beast 3	£15.99
Civilization	£21.99	Knights of the Sky	£21.99	Shuttle	£19.99
Conquest of Longbow	£21.99	Legend of Kyrandia	£22.99	Sim City/Populous	£18.99
Cool World	£15.99	Lemmings	£14.99	Special Forces	£21.99
Crazy Cars 3	£15.99	Lemmings Twin Pack	£21.99	Street Fighter 2	£16.99
Cool Croc Twins	£15.99	Lemmings 2	£19.99	Super Fighter	£15.99
Cruise for a Corpse	£15.99	Links	£22.99	Superfrog	£15.99
Curse of Enchantia	£15.99	Links Bountiful	£13.99	Supremacy	£10.99
Das Boot	£21.99	Links Firestone	£13.99	The Greatest	£21.99
Desert Strike	£11.99	Lotus Turbo Challenge 3	£15.99	Thunderhawk	£15.99
Dizzy's Excellent Adventures	£18.99	Lure of the Temptress	£19.99	Titus the Fox	£14.99
D/Generation	£10.99	Microprose Golf	£14.99	Utopia	£11.99
Dojo Dan	£10.99	Monkey Island	£15.99	Utopia Data Disk	£10.99
Doodlebug	£15.99	Monkey Island 2	£22.99	Utopia Twin Pack	£20.99
Dune	£15.99	Nigel Mansell's Formula 1	£15.99	Vroom Data Disk	£14.99

Wing Commander	£21.99
Wizkid	£15.99
WWF2	£15.99
Zool	£14.99

ALL PRICES INCLUDE V.A.T
P&P ONLY £1.00 PER ITEM
(U.K.ONLY)

PRICES MAY CHANGE WITHOUT PRIOR NOTICE

ACCESSORIES

Zydec External Drive	£50.99
Zydec Zy-Fi Speakers	£38.99
Zydec Handy Scanner	£94.99
Zydec Virus Protector	£5.99
Alfa Data Trackerball	£29.99
Alfa Data Crystal Trackerball	£34.99
Alfa Data Megamouse	£13.99
14 Inch Monitor Stand	£11.99
Mouse Pockets	£1.99
Mouse Mats	£2.50
Cleaning Kits	£1.99

We accept Cheques, Postal orders, Access and Visa cards.

1st class recorded delivery despatch as standard on all items.



This main cockpit display is what you'll be seeing most of in *A320*. The numbers in blue at the bottom left (next to F1 and F2) are your start and destination points. The number next to DF is the local radio frequency.

Flight Plan
VFR IFR ok
FROM XLAX
TO EDDK
ETD 1200
PAX 55 POB
FREIGHT x100Kg
FUEL 30 x100Kg

Before you fly anywhere you've got to file a flight plan. PAX is the number of passengers.



Glance out of the left-hand window and you'll see either fields or sea. And an odd yellow dot.

Airbus A320 American Edition

Let's face it, jet flight is duller than a wombat's butt. You get a giddy feeling in your stomach for about 30 seconds, then it's hours of utter tedium until you get another giddy feeling in your stomach and the plane lands. In between you get a few packets of peanuts, a plastic cup full of weak lager and a baby's shrill cry in your earhole all the way to Crete. Jet travel sucks.

You would have thought that those dashing captains of jet aircraft had a slightly more interesting time of it than the punters, but having played *A320 Airbus* I can report that flying the aircraft's drearier than travelling in it. *A320 Airbus* is what happens when lots of people with clipboards and pens in their top pockets decide to program a flight simulator.

The real thing``

What we have here is a 'proper' flight simulator. Everything about the game is designed to look and feel like the real thing. Before you can fly you've got to file a flight plan and then there's the process of setting up your plane for flight, before finally you get to trundle your jet out on to the runway ready for lift off.

The Airbus was designed to be one of the safest aeroplanes around. To this end, the vast majority of functions are carried out by the onboard computers. All you need to do is tap in your destination on the flight computer and start the engines. Everything else is taken care of, which leaves you plenty of time to flog imitation Rolexes and boxes of 200 fags.

Graphically all you get to see is a precise cockpit representation and lots of fields or sea beneath you. Occasionally a dial will move a bit (a cause for much celebration), but other than that all that happens is your engines automatically adjust their revs, the plane automatically adjusts its course and you automatically adjust your chair before falling into deep sleep.

The controls appear a bit confusing initially, but that's partly to do with the technical terminology. Basically if you can get used to games like *Gunship*, then you'll have no problem getting to grips with this. The main 'fun' bit comes from picking destinations to be bored between. The game comes with two enormous books chock full of approach charts. These terribly interesting diagrams indicate radio frequencies, approach coordinates and the like. Give the game a couple of hours and you'll soon be able to flit all over the eastern or western sea boards of the United States looking at interesting fields and bits of sea.

NEEDS 1 MEG

HARD DISK INSTALLABLE



Nope, he's not a left-over from a footy management sim, but the head honcho at your airport. He tells you off when you crash the Airbus.

Flyboys

It's not that *A320* is a bad game, it's just that unless you're, like incredibly, incredibly into all things with wings (and we're not talking sanitary towels here) then you're better off doing something interesting like creosoting the fence, brass rubbing or cataloguing your collection of early formica kitchen furniture. Definitely only worth checking out if you're a seriously obsessed flyboy or girl.

Commander Andy Hutch B.O.R.E.D.

A320 Airbus
£35.99

- Incredibly realistic simulation created in association with Lufthansa and Deutsche Aerospace Airbus.
- You could train a pilot to fly for real on this. And they probably will.
- Utterly dull.
- Graphically and sonically bland.
- Great for those hot muggy sleepless nights.



60%

400 GAMES INSIDE!

In the past four years, over 400 games have been released. Over 300 of those are still on sale and among those are many bright gems. But how many have you got in your collection? How do these games compare to the new releases of today? Find out in the PCF Gold issue, an extra edition of the magazine which is on sale now!

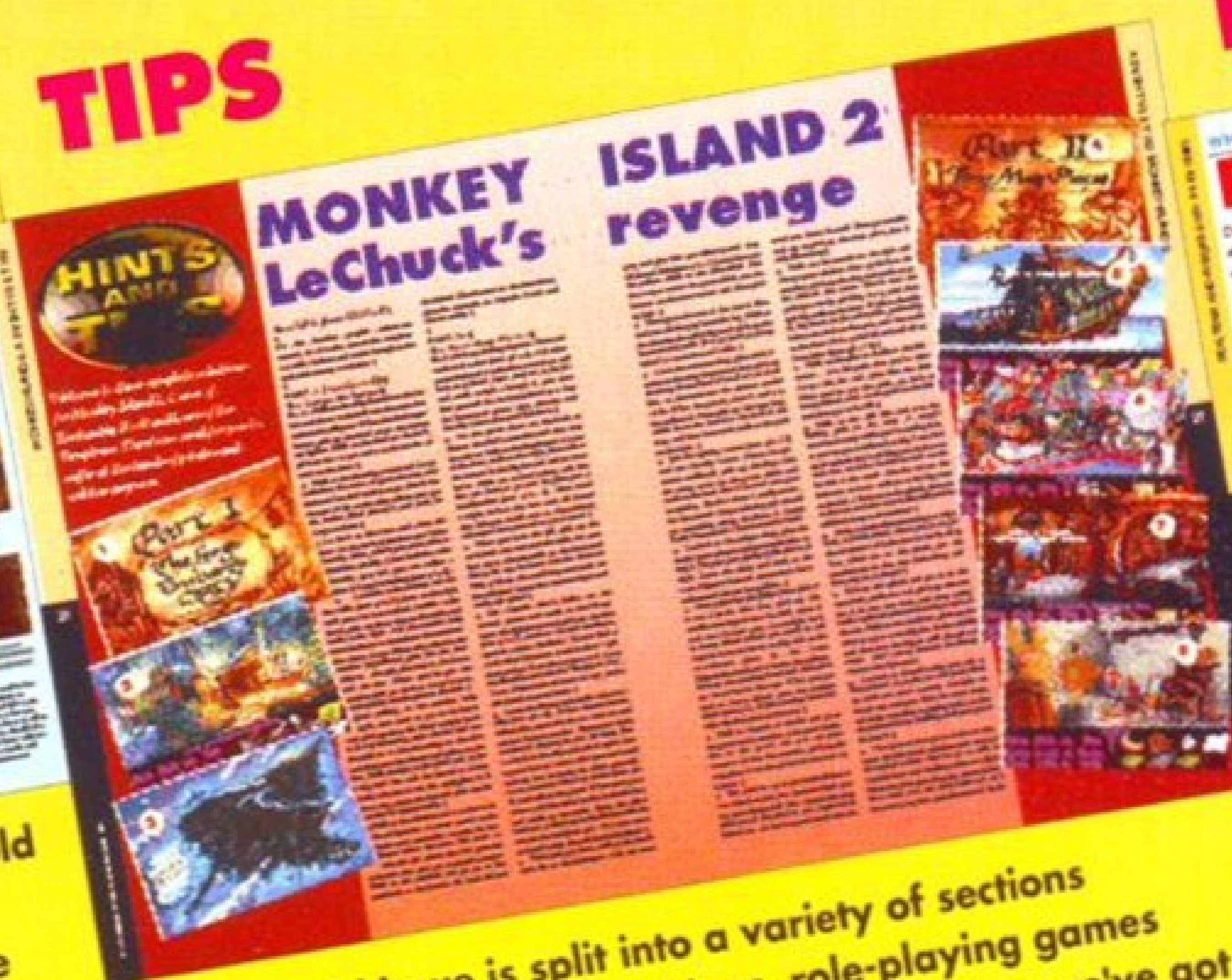


REVIEWS



Yes, we've got over 400 games on review in the *PCF Gold* issue – that's more PC reviews than you'll find in any other magazine – ever (we reckon)! Everything from the classic *Gunship 2000* to the indomitable *Strike Commander*, from *Darkseed* to *The Fate of Atlantis*, from *Dune 2* to *Lemmings*. How many of these classic games have you got in your collection? And how many of them should you avoid like the plague? There's only one way to find out – get down to your newsagent now!

TIPS



The *PCF Gold* issue is split into a variety of sections including adventures, simulations, role-playing games and strategy games. At the end of each section we've got pages crammed full of tips, solving the very best games ever released and providing some hints and tips to help you get more out of the dusty old ones that are lying at the bottom of your cupboard. *Monkey Island 2*, *Zool*, *Dune 2*, *Ultima 7*, *History Line*, *X-Wing* and *Leadbetter's Golf* are just a handful of the games we've tipped.

PREVIEWS



Then there are the pages of previews. Do you know when *Frontier Elite 2* is due for release? You do now. Did you know Renegade has produced a scrolling action game which dwarfs all of the competition?

Right: if your agent faces death, then use the self-destruct option. This wipes him out and the surrounding area.
This column: five stills from the animated intro to *Syndicate*.



Bullfrog's new cyber strategy game is VFM – Violent, Fun and Morally unsound, intrigued? You will be…

Syndicate

Syndicate, *sindi-kat, n.* Abbr. synd. An association of people or companies organised to promote a common interest. The new game from Bullfrog, makers of *Populous 2*, is sinister. If you've ever seen films like Ridley Scott's *Blade Runner* or George Lucas' *THX 1138*, you'll know what I mean – futuristic science-fiction which is eerily life-like, and eminently plausible.



Syndicate is a strategy game, where the 'common interest' is complete takeover of the world. Of course, this has been the subject of films and games since the year dot, but rarely has it been as effective as with this game. What's differs here, though, is you're not the megalomaniac seeking ultimate power. Instead you are an agent who works for the big cheese, the syndicate, trying to do a job and get up the employment ladder. Morals are out of the window – you have to do what you are told, no matter how weird or immoral the orders are.

Cybermen

You are in charge of a number of cyborg agents, who are programmed to follow your orders via remote control. You monitor progress using the display screen, which is also used to give you your orders and progress reports. The cyborgs are either sex, but all basic models have a similar strength and resilience.

You are given a certain amount of money to equip your 'borgs through the first mission. After this, raising further dosh is all up to you. There are lots of ways to raise money, including raising the taxes for the people in the territories which are controlled by your syndicate, and capturing enemies and their weapons so that your syndicate can use them in their research. They pay well for any enemy materials you bring back.

The manual blurb is worth a mention: "After winning a mission you have earned the right to levy outrageous rates of tax on the helpless citizens... If you're as popular as the Sheriff of Nottingham as a result, who cares! He didn't have armed psychotic cyborgs for back-up."

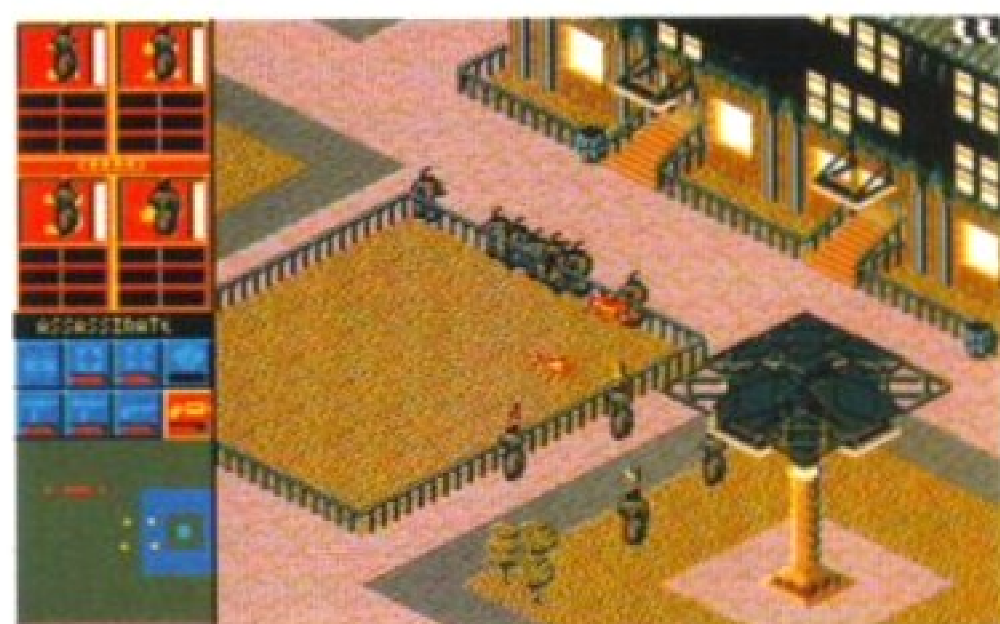
Mission possible

The first mission is easy. You buy a pistol, and maybe a shotgun or a medikit for each of your four active cyborgs. It's not worth investing in extra body parts yet, because the mission is really easy and you haven't got much money.

It is, however, a good idea to plough funds into researching new equipment. In the later missions you will need powerful weapons and well-equipped cyborgs, so it's best to research into advanced technology early on.

You can actively research in two main areas: Modifications and Equipment. The Mods are things like more powerful legs, and a strengthened chest cage to help protect your 'borg – see Cyborg Technology. The equipment is split into three: Automatic, Heavy and Miscellaneous. Investing in Automatic will bring in weapons such as an Uzi sub-machine gun; Heavy will yield weaponry like the Gauss gun; while Miscellaneous will produce useful items such as an auto-mapper or an access card. See 'A Call To Arms' on the next page.

Once you've set the research going, and kitted out your crew, mission one begins. ➢



"Does the name Custer mean anything to you?" The enemy syndicate finds strength in numbers...

This involves going to a city, and killing two enemy agents. They don't put up much of a struggle, and you soon hear a robot telling you "Mission completed".

Syndicate will then display a world map showing the amount of territory which your syndicate controls. The next area available for a takeover bid will flash, so clicking on it will accept that mission. Later you will find there is more than one route available, so if you get stuck in a level you can always try a different route.

By now your research should show results. The Equip screen will have a larger list of available equipment – for a price – and you can select these for your 'borgs. Now may be the time to add more money to the research plan, but how much is up to you.

Heavy policing

The 50 missions vary in size and complexity, but rarely can you complete a mission first time. Fortunately you can save your position at the end of a mission, so if you screw up you can always try again.

In most areas you will find a police presence, who don't really bother you until you draw your gun. If you shoot your gun, then both policemen and enemy agents will rally round and try to shoot your cyborgs. If you manage to take any of them out, they will die and leave you their weapon. Sometimes it's an advanced weapon like a Gauss gun or a laser, and if you keep it until you finish the mission you will be paid for it. Your syndicate will then be able to create the weapon. Using this method you could obtain a Gauss gun on mission seven, whereas using research would take much longer. Neat touches like this abound – it's very like real-life, in that everything you do in a mission will have a knock-on effect in the rest of the game.

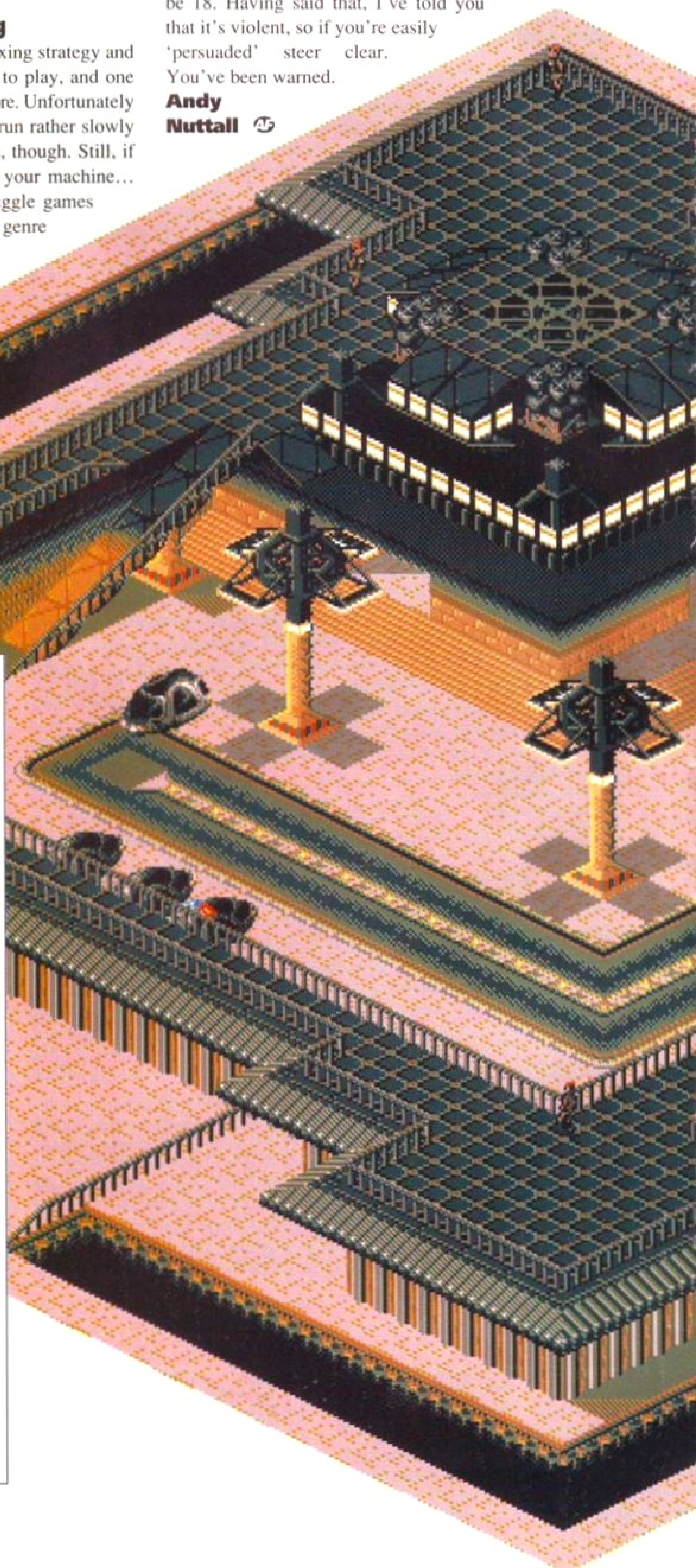
All engrossing

Syndicate is a very involved game, mixing strategy and arcade elements for a truly fun game to play, and one which will keep you coming back for more. Unfortunately for A500/600 owners, the game does run rather slowly on these machines – it's still playable, though. Still, if there was ever an excuse to upgrade your machine… Although there have been power-struggle games before, *Syndicate* approaches the genre from a new direction, and playing it is a refreshing experience (as well as a damn good tension release). Also, Bullfrog have other missions in the pipeline, along with a multi-player version where up to eight people can play against each other, each using a separate Amiga.

Although *Syndicate* is incredible fun and massively addictive, I would have trouble recommending it to kids. There are some disturbing overtones to the game, which occasionally go beyond simple sci-fi.

Head Bullfrog Peter Molyneux commented: "I didn't originally set out to create a violent game, but having said that I didn't want to pull any punches. Obviously it is violent… but there is nothing I would like to see more than ratings in computer games." Well, if *Syndicate* had a certificate, it would be 18. Having said that, I've told you that it's violent, so if you're easily 'persuaded' steer clear. You've been warned.

Andy Nuttall AF



CYBORG TECHNOLOGY



Suffering because your cyborgs are just a bit too nerdy? Try buying one of the range of add-ons that *Syndicate* offers you to modify your agents:

ARMS
Enables your 'borg to carry heavy items with no loss of speed.

LEGS
Moves the cyborg more quickly around the mission zone.

CHEST
Metallic chest plate to help survive direct hits. Also contains explosive charge for self-destruction.

HEART
Improves overall physical strength and stamina of cyborg.

EYES
Helps fire more accurately, and react to hazards more quickly.

BRAIN
Make your agent more aware of his surroundings, and quickens decision-making under pressure.

A CALL TO ARMS

Syndicate, being a game based around a violent futuristic world, naturally places a range of powerful weapons at your disposal. Let's take a look at them...



PISTOL
The weakest of all the weapons, but available for no cost. Medium range, useful as a back-up weapon.



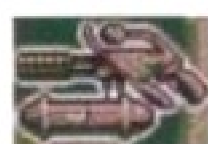
SHOTGUN
Pump action shotgun with a large spread of shells. Useful at close range.



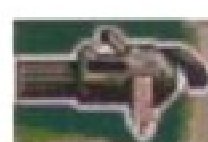
UZI SMG
Quick-firing weapon with a medium range. Fires many shells, and costs very little to reload.



LONG RANGE RIFLE
Highly accurate, with a very long range. Single shot, useful for assassinations.



FLAMER
Produces a stream of napalm-like ignited jelly which sticks to target and burns. Highly sinister.



MINI GUN
Heavy motor-driven machine gun with a fairly long range. Most devastating when fired in short, accurate bursts.



LASER GUN
Small high-powered laser with a long range and high accuracy. Useful for sniping and disabling vehicles.



GAUSS GUN
Portable long-range rocket launcher, with three rockets. Useful for destroying tanks and massacring crowds of people.



TIME BOMB
High explosives, complete with timer and detonator. Leaves structures intact but erases people and vehicles.



PERSUADERTRON
The single most important weapon of all. A very short range weapon which fires a chemical at a target, and brainwashes the target to your way of thinking. The target then follows you zombie-style for the rest of the mission.

If you 'persuade' 16 civilians you may also 'persuade' a police officer. Persuade 32 civilians and you can go grab an enemy agent to add to your cryogenic stock of cyborgs. You are paid at the end of each mission for all the 'persuaded' civilians who survive.



This is your boss. If you get to this screen, it means that you've failed, and you will face imminent termination.

Syndicate
£34.99

- Adrenaline-pumping action mixed with clever strategy to give a supremely polished and well-thought-out game.
- Superb *Blade Runner*-style graphics and effective sound give the game a dark, doom-laden atmosphere.
- Controlling the vehicles is a bit fiddly.
- Pure, unashamed violence...
- ...and/but incredible fun to play.



91%

This is Kamchatka, one of the smallest missions, but not one of the easiest. The idea is that you have to put your agents (right) into the car, and drive it into the city. Once inside, you have to take out all the APCs (Armoured Personnel Carriers), and terminate anyone who gets in your way. You should have ploughed a lot of money into researching new weapons by now. If you haven't, then you're likely to get wiped out here because the enemy syndicates who rule Kamchatka are armed with Gauss Guns – possibly the most powerful (and scary) weapon to be found in *Syndicate*. They only have one, however, so a good strategy is to split your team up and sacrifice one of them to the man with the Gun. Lastly, hijack the ambulance, and drive very quickly out of the city – keeping clear of the other enemy agents.



What on earth has this poor girl ever done to be saddled with a name like Zmira? Perhaps it's a family tradition that all the girls are given ridiculous names just to get the priest's tongue in a twist.



Now which one's which? Stalactites or stalagmites, I can never remember. Do tights go up or down? I suppose it depends what sort of girl you are.

Super Cauldron

SUPER CAULDRON is available from Titus Software 071-700 2119

This is what we want to see, a heroine with sensible clothes and a plucky disposition. Evil forces have enslaved the kingdom of Cauldron and spread desolation on its people. Only Zmira, a plucky little witch with the combined powers of all the witches, can save them. It sounds like just another platformer, but this is no walk in the park. This is serious stuff.

Zmira has three lives to spare, four worlds to get through and meets an awful lot of enemies along the way. The creatures who live in the forest are all baddies now thanks to the Evil Sorcerer. There's help in the form of a spell book, with one spell in it when the game begins and broomsticks which can be picked up for a short time. Once Zmira moves around, dodging the rats, bats, vultures, snakes and very butch-looking men, she can collect other spells to help her defeat the sorcerer.

Some enchanted heaving

The adventure starts in the Enchanted Forest and it's up to you to help Zmira find the key and fight one of the sorcerer's goblins. You then get the Magic Book which will allow you to pass to the next level. This is not easy. The enemies regenerate as soon as you walk away, and your broomstick only works in short bursts. Along with the blood-crazed animals there are pumpkins who try to squash you and there are traps hidden along the way. When you kill something, it may be changed into a toad which will increase the power of your current spell.



Under the gaze of Her Majesty the Witch the Super Cauldron Formation Bat Team perform their own rendition of 'kill the witch'.



I must be halucinating. First I'm chased by rabid rats through the wood, then I'm attacked by pumpkins. It's getting to be one of those days...

There are 12 spells to collect, and you will need all of them to complete the game. At the start all you have is the stone spell. The spells can be split into two types: the weapons and the 'really useful things'. The first category includes fireballs, lightning and bombs, while the second contains all the weird stuff. There are magic staircases and bridges, teleportation, a circular saw and my favourite – multiplication. Stop raising those eyebrows, here you can split Zmira into four little clones. They run off, killing the enemies surrounding you as they go. Another 'useful' is the metal melter which, strangely enough, melts metal doors.

We're surrounded Captain

This is probably one of the hardest games that I've ever played. At least most adventure games give you a chance to think. This one fires cute little animals at you like bullets with your name on them. You can't afford to stop and scratch your head for a moment, because some vulture or bat will try to rob you of your precious energy.

Super Cauldron is difficult – much harder than, say, *Arabian Nights*. And each play seems to be over too soon, but you have to launch back into the fray, refusing to let a simple puzzle/adventure/shoot-em-up get the better of you. If you're a mean match with a joystick then you will probably find this challenge holds your interest in the game for longer than normal, but if you've still got your 'L' plates on, I'd steer clear of it. Now, does anyone know how to pronounce Zmira?

Sarah Tanser

Super Cauldron
Titus Software ■ £25.99

- Extremely difficult.
- Too many horrid nasties, which just keep a comin' at ya!
- Excellent mixture of shoot-em-up, puzzler and adventure game.
- Need your thinking cap on for this one.
- Brilliant music and sound effects.
- Good effects for the spells.



70%



Human faces suddenly appearing for no obvious reason are the sort of exciting things you can expect to see when playing *Prey*.

Prey

Almathera Systems ■ 081-683 6418 ■ £25.99

Apparently, asteroid KG – 42 used to be a nice, quiet sort of place to live until the aliens moved in next door. So property prices plummeted, and the aliens eating everyone didn't really help the situation either. The powers that be thus decided to send you in to sort out those nasty aliens once and for all, and to help rescue any refugees you find lying around the place.

Well, at least that's what I assume is happening. This game doesn't come with much information, except for a single paragraph on the back of the CD box. There is an insert, but all this tells you is how to control the game. The controls are pretty minimal, with the usual forward, back and turn, and the two keypad buttons giving a status screen and a map of the area, showing you what to do and the objective.

I know that CD doesn't have the fastest transfer rate known to man, but this game hardly pushes back the boundaries. Each time you enter a new zone, or request the map, you wait at least five seconds for something to appear. I wouldn't mind if the clock stopped, but it doesn't, so just after going through a doorway, you're stuck there waiting, but the clock is still ticking away. With only one minute and 40 seconds of oxygen to start with, every second counts.

Apart from moving around the colony, there is also a combat section where you and an alien slug it out. This uses some nicely treated digitised images to show the aliens, but it doesn't really work, especially with a CDTV keypad. You attack with button A (which has a nice machine-gun sound) and dodge with button B, but this doesn't seem to have much of an effect.

Nicely drawn and rendered 3D graphics abound, and the sounds add to the atmosphere, with heavy breathing and good clunky footsteps as you move down the corridors. If you're really up on sci-fi films, you could also play 'spot the sample' while you're waiting for things to load. Let's start it off with the breathing – from *2001: A Space Odyssey*.

The game is rather similar in feel to *Infestation* (reviewed in *AF*10), but you don't get the same feeling of being in control. There certainly isn't the same degree of background, and the control method is much more simplistic. There is a good game in there somewhere, but the bad design, long access times, lack of proper documentation and extreme difficulty conspire to make it a game that won't last too long.



55%

Richard Baguley



In the midst of a punch up with an alien in the fight practice screen, which is a question of dodge, dodge, shoot and dodge.

X-BACKUP PROFESSIONAL

NEW VERSION V10.35

X-BACKUP PRO is the most powerful disk duplicator/utility package ever designed for the Amiga.

UNLIKE OTHER BACKUP UTILITIES, X-BACKUP IS FULLY AUTOMATIC

INCLUDES NEW MULTI FUNCTION 'CYCLONE' CARTRIDGE FOR BACKING-UP ALL SOFTWARE

For backing-up your original protected software, X-BACKUP is a must, however it offers so much more.

- *Backs-up virtually ANY disk*
- *Backs up hard disks*
- *Full file copying & management utility.*
- *Optimises disks*
- *Formats, repairs, verifies*
- *Includes Autoswitch CYCLONE cartridge.*
- *Includes full 8 page manual*

HOW TO ORDER



Telephone our sales hotline with your credit card details for immediate despatch.

061 724 7572

Send a cheque or postal order for £40.99 made payable to **Siren Software,** Wilton House, Bury Rd, Radcliffe, Manchester M26 9UR

Available now, only

£39.99

Plus £1.00 postage & packing

X-BACKUP PRO is compatible with ALL Amiga computers.

A1200 4MB MEMORY UPGRADE £169.99

32 BIT ZERO WAIT STATE FASTRAM

*DOUBLES THE SPEED OF THE A1200

*BUILT IN BATTERY BACKED UP CLOCK

*SIMPLE TRAPDOOR INSTALLATION.

*FULL 12 MONTH GUARANTEE

This product must not be used to infringe copyright

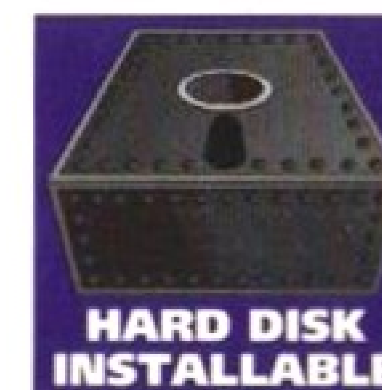
AMIGA POWER

New issue out July 8.
Buy it and we won't do this again.

Now with added colour in the backgrounds, five extra levels, and full A1200 compatibility. It's the all new improved *Robocod*.

ROBOCOD is available from Millennium 0223 844894

Robocod AGA



There's an unwritten rule in the game reviewing business that says you can't start a piece with the words 'once upon a time'. But now we've got the first couple of sentences of this review over and done with, we don't have to worry about silly rules, especially ones that no-one has ever bothered to even write down.

Once upon a time there was a game called *James Pond*, and it wasn't terrible. You wouldn't have sold your granny to get a copy, but you might have spent about £25, or less if you had bought it by mail order. Since the game was an unmitigated success the people who made it took the tried and tested, Hollywood approved, course of action and made a sequel. Like most sequels this one, code-named *Robocod*, wasn't as good as the original. Unlike most sequels it was much, much, much, much (you get the picture) better.

Robocod took the book of Amiga platform games, read it from cover to cover, cut it up into little pieces and then reassembled it in a way not completely dissimilar to the one used by William Burroughs in his writing of *Nova Express*. The result was a game that, at the time, completely redefined Amiga platformers. Unlike, go on, I'll say it... *Zool*, which was just wow!, *Robocod* was wow!, and it made you think as well. The bonuses were hidden so cunningly that even today, after over a year of hard playing, I come across new ones. The cheats were so clever that you'd think it wasn't intended for computer games players at all, but for Oxford undergraduates.

OK. I may be getting all misty eyed and nostalgic here, but I've just heard some really great news. Millennium are bringing out *Robocod* for the A1200, and I'm going to get to review it for *Amiga Format* magazine. The pinnacle of my career, sans doubt!

Tangible assets

Now there are more than a couple of games that have been rehashed for the AGA Amiga baby, but none have really added much to the original. Millennium have avoided this criticism by adding a very tangible, and pretty tricky, five levels to *Robocod*. And they didn't even bother to tell me, I just found myself playing a game I thought I new inside out, when BANG! There I was charting unknown platforms. And extraordinary fun it was too.

The backgrounds benefit in most places from the 256 colour treatment, but the sprites have been left as they were. It's good to see that Millennium showed more restraint on the Amiga than on the Mega Drive version of *Robocod*, which featured overly distracting *Zool*-AGA style backgrounds. Some of the backgrounds, like the clouds on the train level, have not been been given the AGA treatment, which is a real shame, because they would have looked particularly great. More great news for A1200 owners, or ones who own hard drives at least, is that *Robocod AGA* is operating system legal. This of course means that it is HD installable.

Just to prove that there really are new levels and it's not all just a plot between the softies and us, arranged after a hefty back-hander and several pints at lunchtime, here's a picture of one of them.



So now the bit where we tell you whether you should buy it. This is a tricky one because the game poses an interesting dichotomy, depending on whether you own the original or not. So here goes. Yes, if you don't have a copy of the original then you should have this – it's the best game yet for showing off the A1200, and it's a huge great bag full of fun too.

If you have a copy of *Robocod* non AGA, don't bother with this. The original works fine on an A1200 – just disable the CPU caches and use the original chip set. The AGA version is a dream, but it's the kind of dream that costs £25.99, and for just five more levels and 224 more colours, it ain't worth it. On the other hand, if Millennium were to offer existing owners an upgrade for say £7.99 I'd say do it.

Marcus Dyson

Robocod AGA
£25.99 ■ Millennium

- Even more colourful than the (very colourful) original version.
- Five new levels of puzzling platform fun.
- So many hidden bonuses and secret levels that even the programmers probably haven't found them all yet.
- Works on an A1200 without having to go through the tedious boot options rigmarole.



91%

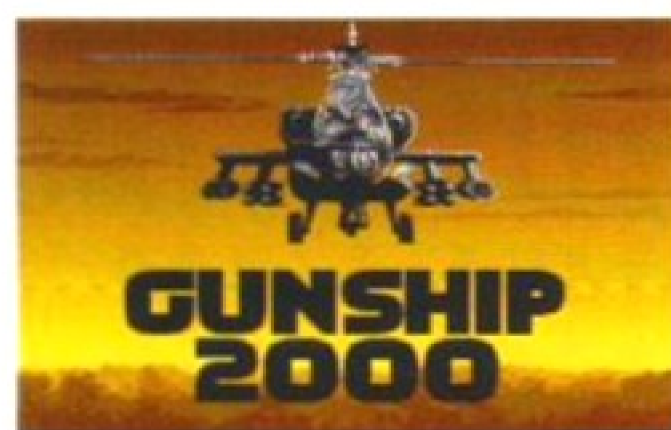
GAME REVIEW

Flight sim buffs listen up! This is no ordinary game – and it's not just gunships you get to control. If you're power-hungry – feed on this...




Absolutely the best part of the game is that the 'world's surface' isn't flat. That means you can happily sneak up river valleys in your Apache gunship. Stay below the horizon and they won't see you until you pop up.

Gunship 2000



Having already done flight simulations about hidden stealth (*F19*) and maximum overkill (*F15*) MicroProse's latest helicopter sim is the greatest yet. Starting out as a lowly Warrant Officer candidate, you go through an entire career as an American Army helicopter pilot.

You can eventually command a squadron of four pilots on many different mission types. But first, though, you have to convince your superiors that you are up to the job. To start with, only training missions and single chopper flights are available. When you have clocked up enough points and decorations, and you are offered a commission.

Crashing choppers

Gunship 2000 has more than just gunships in it. They're no good for picking up troops or dropping off cargo. You can choose from seven different helicopter models, although some are reserved for the higher ranks. All of which makes for a long term game.

Choppers are notoriously difficult to fly, but you can make it as realistic or easy as you wish. 'No Crashes' is recommended unless you are very confident – there are no parachutes in a helicopter!

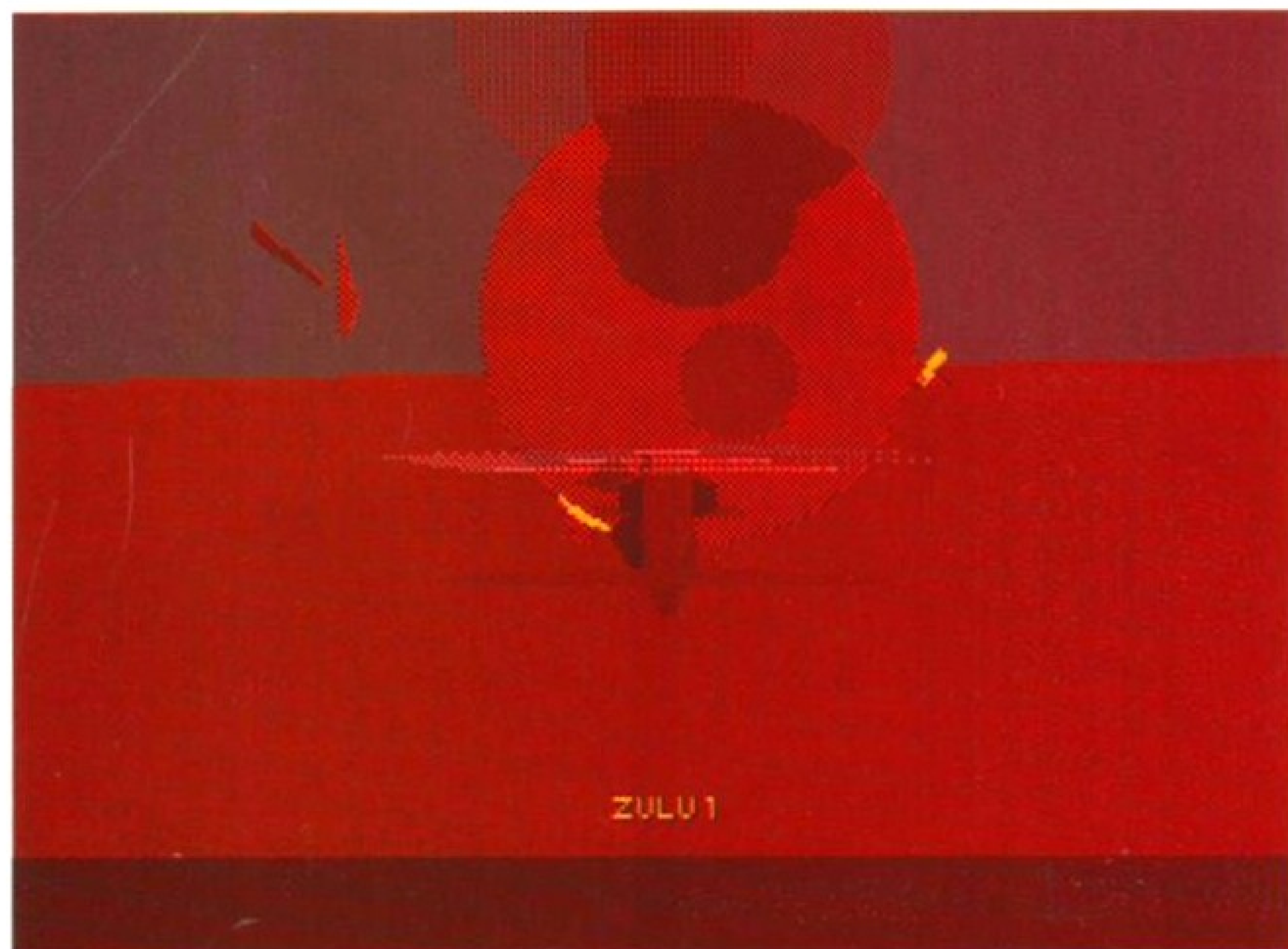
The music, sound and background graphics are of the highest standard. The intro is abysmal mind you, but there are plenty of more worthwhile features.

The 3D graphics are truly excellent. Topological 3D is what MicroProse call it. Although most of the terrain is still flat, the hills and valleys really make the game, because helicopters operate at tree top height. The rivers flow between banks, and the railways go through tunnels in the hills, even on an A500. The A1200 is the preferred Amiga to play on – the game doesn't have 256 colours but it does use faster machines to the full.

Smooth operator

Everything moves very smoothly. Three different detail levels are available, as well as some fine tuning options like full distance 3D. This option occasionally results in your co-pilot/gunner (CP/G) doing what resembles a Max Headroom impression.

As your situation changes – a new target is acquired, or an incoming missile is detected – the CP/G tells you. When a lot of things happen at once, they just can't keep up. The CP/G can also be set to activate your jammers or



Damn, shot down again and everything goes red. Just one shot can knock you out of the sky, although it's much more usual to receive gradual damage rather than the instant kill.





GUNSHIP 2000 is available from MicroProse on 0666 504326


All the various helicopters have different cockpit views. The Blackhawk has side-by-side seating, rather than standard tandem gunship arrangements. In reality, a Blackhawk would be lucky to get this close to a surface-to-air missile and survive.


Not sure of your best weapon against a target? Just pause the game to get a full game.


The copy protection and difficulty levels are all set from this one screen – compact and quick.



Selecting helicopters and weapons is an easy point and click job – the tricky bit is making sensible decisions on what's best for the job in hand.


Not all of the equipment is USA or Soviet in origin – some British objects are in there too, like the Challenger Main Battle Tank seen here.

decoys and fire the weapons if you can't handle the pace.

Talking of weapons, if you are bored of seeing a limited choice, this game has the lot. Cannons (different choppers have different types), Hellfires, Tow 2s, three kinds of Hydra and some new ones like Sidearm and Hellstreak are bundled for a very good measure. When commanding a flight, certain weapons and helicopters are not available – a neat (and demanding) touch. You have to be familiar with every weapon system in case your favourites are not in stock!

Missile with a view

There's a wide variety of opposition to fire weapons at, including several helicopters for some air-to-air combat. The outside views of these are most spectacular, especially when you switch from viewing a target to the view of a missile about to hit it. The view quickly, but smoothly, tracks from the target to the missile, turns 180 degrees and follows the missile.

Two campaign areas are included – Central Europe and Persian Gulf. Four additional areas are planned, but you will have to buy them separately. Needless to say, but the different terrain, targets and weather conditions do make for even more variety. Weather conditions also have an affect on weapons systems – laser-guided missiles like the Hellfire don't do nearly so well in fog or mist.

Playing from the four floppy disks rather than a hard disk (1.5Mb of memory is needed for hard disk use) is not too bad – loading time is quite long, but the disks are asked for in sequence. Playing from a hard disk is not exactly snappy, either

In fact, the game takes hours and hours to play properly. It's not just lots of disk activity – quite a few missions in which you get killed have to be erased and replayed just to get a commission, let alone a full 99-mission combat tour before a pilot is retired.

Gunship 2000 has many hooks and lures, which makes it horribly addictive. I have literally played it for days and nights on end, and anticipate playing it for many, many more. It's that special – not perfect, but certainly a game you can lose yourself in for weeks at a time before you even begin to master it.

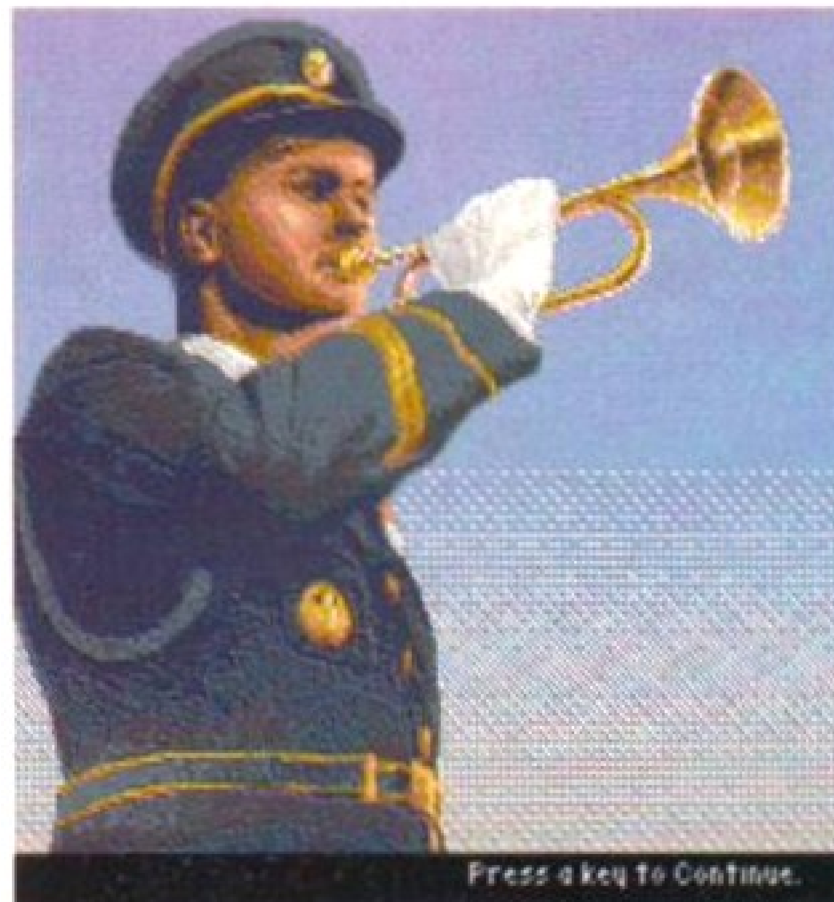
Pat McDonald

HOW TO GET A PROMOTION

The key to the game is to keep completing your missions as quickly as possible. You can play *Gunship 2000* as an arcade game, by setting training missions – on these, flak and missiles does no harm. However, training missions don't get you any points.

You can either keep playing as a Warrant Officer, on your own in your own chopper, or accept promotion. Personally, I find that flying single missions is more fun than commanding a flight, but true simulation fans will probably appreciate the extra challenge. You cannot jump into the cockpit of the helicopters under your command – you can only give them orders from the map screen.

Finally, you can elect to play a campaign. This means commanding a flight over many missions, as a war ebbs and flows. Completing a campaign against elite troops with all the realism settings on will shoot you up the ranks. Maybe if you keep doing that, you'll make it to Brigadier General.



There's always some geezer playing a bugle at a military funeral. Even simulated ones.

Gunship 2000
£35.99

- Excellent graphics to fly around, through and over.
- Atmospheric missions, music and maps.
- Lots of depth to really get your teeth into.
- Realism options will suit flight sim buffs very well.
- More campaign areas are on the way, to prolong what is already a long term game.



94%



Games marked NOP will not work on A500 Plus, A600 or A1200. Games marked NO12 will not work on the A1200.

- 4TH 'N' INCHES (US FOOTBALL) (NO12) ...8.99
- 688 ATTACK SUB (NO12) ...9.99
- A-TRAIN (1 MEG) ...24.99
- A.T.A.C (1 MEG) ...21.99
- A320 AIR-BUS (1 MEG) (NO12) ...18.49
- ADDAMS FAMILY (1 MEG) ...11.49
- ADVANTAGE TENNIS (NO12) ...16.99
- AFTERBURNER ...7.49
- AIR BUCKS ...17.99
- AIR FORCE COMMANDER (1 MEG) ...17.99
- AIR SEA SUPREMACY (GUNSHIP, SILENT SERVICE, P47, WINGS, CARRIER COMMAND) (NO12) ...13.49
- AIR SUPPORT ...18.99
- AIR, LAND & SEA (688 ATTACK SUB, INDY 500, F18 INTERCEPTOR) (NO12) ...22.99
- ALCATRAZ ...16.99
- ALIEN BREED (SPECIAL EDITION) (1 MEG) 8.99
- AMNIOS ...8.99
- ANOTHER WORLD ...16.99
- APIDYA ...17.49
- APOCALYPSE (1 MEG) ...17.49
- AQUATIC GAMES ...16.99
- ARABIAN NIGHTS ...15.99
- ARCHER MACLEAN'S POOL ...13.99
- ARKANOID 2 ...7.49
- ARMOUR-GEDDON 2 ...19.49
- ASSASSIN (1 MEG) ...11.99
- AV8B HARRIER ASSAULT ...21.99
- B17 FLYING FORTRESS (1 MEG) ...22.99
- BATMAN THE MOVIE ...7.49
- BATTLE ISLE ...13.49
- BATTLE ISLE DATA DISK ...13.99
- BATTLE OF BRITAIN ...13.99
- BATTLETOADS ...17.49
- BC KID ...17.49
- BEACH VOLLEY (NO12) ...7.49
- BILL'S TOMATO GAME ...19.99
- BLASTAR (1 MEG) ...13.99
- BLUES BROTHERS ...8.99
- BODY BLOWS (1 MEG) ...16.49
- BODY BLOWS (A1200 VERSION) ...18.99
- BOSTON BOMB CLUB (NO12) ...7.49
- BOXING MANAGER (NO12) ...7.49
- BURNING RUBBER ...17.49
- CADAVER (NO12) ...11.99
- CAESAR (1 MEG) (NO12) ...17.99
- CAMPAIGN (1 MEG) ...21.99
- CAPTIVE ...12.99
- CAPTIVE 2 - LIBERATION (1 MEG) ...19.99
- CHAMPIONSHIP MANAGER (1 MEG) ...12.99
- CHAMPIONSHIP MANAGER 93/94 (1 MEG) 17.49
- CHAOS ENGINE ...16.99
- CHUCK ROCK (NO12) ...8.99
- CHUCK ROCK 2 (1 MEG) ...13.99
- CIVILIZATION (1 MEG) ...22.99
- COMBAT AIR PATROL ...19.99
- COMBAT CLASSICS (F15 STRIKE EAGLE 2, 688 ATTACK SUB, TEAM YANKEE) (1 MEG) (NO12) ...19.49
- COOL WORLD (1 MEG) ...17.49
- CORRUPTION (M/SCROLLS) ...3.99
- COVERT ACTION (1 MEG) ...22.99
- CRACKDOWN ...6.99
- CREEPERS ...19.49
- CRYSTAL KINGDOM DIZZY ...12.99
- CURSE OF ENCHANTIA (1 MEG) ...12.99
- D-DAY ...19.99
- D-GENERATION ...12.99
- DARK QUEEN OF KRYNN (1 MEG) ...9.99
- DARKSEED (1 MEG) ...20.99
- DESERT STRIKE (1 MEG) ...18.99
- DIZZY PANIC ...7.49
- DIZZY PRINCE YOLKFOLK ...7.49
- DIZZY'S EXCELLENT ADVENTURE ...15.99
- DUNE (1 MEG) ...19.99
- DUNE 2 - BATTLE FOR ARRAKIS (1 MEG) 19.99
- DUNGEON MASTER & CHAOS STRIKES BACK (1 MEG) ...19.49
- DYNA BLASTERS ...19.99
- ELITE ...11.99
- ELVIRA 2 - JAWS OF CERBERUS (1 MEG) (NO12) ...22.99
- EPIC (1 MEG) ...19.49
- ESCAPE FROM THE PLANET OF THE ROBOT MONSTERS (NO12) ...7.49
- ESPANA-THE GAMES 92 (1 MEG) (NO12) 19.49
- EYE OF THE BEHOLDER (SSI) (1 MEG) 19.99
- EYE OF THE BEHOLDER 2 (1 MEG) ...22.99
- F15 STRIKE EAGLE 2 (1 MEG) ...11.99
- F16 FALCON (SPECTRUM HOLOBYTE) ...10.99
- F19 STEALTH FIGHTER (NOP) ...13.99
- FABLES & FIENDS - LEGEND OF KYRANDIA (NO12) (1 MEG) ...23.49
- FANTASTIC WORLDS (REALMS, PIRATES, MEGA LO MANIA, POPULOUS, WONDERLAND) (1 MEG) (NO12) ...22.99
- FANTASY WORLD DIZZY ...7.49
- FIRE & ICE ...17.49
- FIRST DIVISION MANAGER ...7.49
- FIRST SAMURAI + MEGA LO MANIA (NO12) 13.49
- FLAMES OF FREEDOM (MIDWINTER 2) 11.49
- FLASHBACK (1 MEG) ...20.49
- FLIGHT SIMULATOR 2 (NO12) ...23.99
- FOOTBALL MANAGER 3 (1 MEG) ...14.99
- FOOTBALLER OF THE YEAR 2 (NO12) ...8.49
- FORMULA 1 GRAND PRIX ...14.99
- FUN SCHOOL 2 (2-6) ...7.99
- FUN SCHOOL 2 (6-8) ...7.99
- FUN SCHOOL 2 (8+) ...7.99
- FUTURE WARS (NO12) ...9.99
- GENESIA (1 MEG) ...17.99
- GHOULS 'N' GHOSTS ...7.49
- GOAL ...19.99
- GOBLIIINS 2 ...17.99
- GODS ...16.99
- GOLF WORLD CLASS LEADERBOARD ...8.49
- GRAHAM GOOCH WORLD CLASS CRICKET (1 MEG) ...17.99
- GRAHAM TAYLOR'S SOCCER MANAGER (1 MEG) ...10.99
- GREAT NAVAL BATTLES (1 MEG) ...24.99
- GUNSHIP 2000 (1 MEG) ...22.49
- HARLEQUIN ...16.99
- HEAD OVER HEELS ...7.49
- HEIMDALL (1 MEG) (NO12) ...11.99
- HEROQUEST (NO12) ...8.49
- HEROQUEST 2 - THE LEGACY OF SORASIL (1 MEG) ...16.99
- HIRED GUNS (1 MEG) ...19.49
- HISTORYLINE 1914-18 (1 MEG) ...22.49
- HOLLYWOOD COLLECTION (ROBOCOP, GHOSTBUSTERS 2, INDIANA JONES ACTION, BATMAN THE MOVIE) D/S (NOP) 10.49
- HOOK ...11.99
- HUMANS (NO12) ...17.99
- HUMANS DATA DISK (NO12) ...17.99
- HUNTER (NO12) ...7.99
- IK+ ...7.49
- IMMORTAL (NO12) ...9.99
- INDIANA JONES ADVENTURE ...10.99
- INDIANA JONES FATE OF ATLANTIS ADVENTURE (1 MEG) ...23.99
- INDY JONES (ACTION) ...7.49
- INTERNATIONAL OPEN GOLF (OCEAN) (1 MEG) ...16.99
- INTERNATIONAL RUGBY CHALLENGE 17.49
- ISHAR - LEGEND OF THE FORTRESS (1 MEG) ...10.49
- ISHAR 2 - LEGIONS OF CHAOS (1 MEG) 17.99
- IT CAME FROM THE DESERT PLUS ANT HEADS DATA DISK (1 MEG) 12.99
- JACK NICKLAUS GOLF ...7.99
- JAGUAR XJ220 (1 MEG) ...10.99
- JAMES POND ...7.49
- JIMMY WHITES SNOOKER ...15.49
- JINXTER (M/SCROLLS) ...3.99
- JOHN MADDEN'S (U.S) FOOTBALL ...17.49
- KGB ...19.99
- KICK OFF 2 (1 MEG) (NO12) ...8.99
- KNIGHTMARE ...12.99
- KNIGHTS OF THE SKY (1 MEG) ...13.99
- LAST NINJA 2 (NO12) ...7.49
- LEGEND ...12.99
- LEGENDS OF VALOUR (1 MEG) ...22.99
- LEMMINGS ...12.49
- LEMMINGS 2 ...19.99
- LEMMINGS DATA DISK - OH NO! ...9.99
- LETHAL WEAPON (1 MEG) ...16.99
- LIONHEART ...17.49
- LOMBARD RAC RALLY ...7.49
- LORD OF THE RINGS ...16.99
- LOST VIKINGS ...19.49
- LOTUS ESPRIT TURBO CHALL.(NO12) ...8.49
- LOTUS TURBO CHALLENGE 2 (NO12) ...9.49
- LOTUS 3 - THE FINAL CHALLENGE (1 MEG) (NO12) ...11.99
- LURE OF THE TEMPTRESS (1 MEG) ...19.99
- M1 TANK PLATOON (1 MEG) ...10.99
- MAGIC WORLDS (STORM MASTER, DRAGONS BREATH, CRYSTALS OF ARBOREA) (NO12) ...15.99
- MAGICLAND DIZZY ...7.49
- MANCHESTER UNITED ...8.49
- MANCHESTER UNITED EUROPE ...16.99
- MANIAC MANSION (NO12) ...9.99
- McDONALDS LAND ...17.49
- MEGA SPORTS (SUMMER GAMES 1 & 2, WINTER GAMES) (NO12) ...16.99
- METAL MUTANT (NO12) ...7.49
- MICROPROSE 3D GOLF (1 MEG) ...13.99
- MIDNIGHT RESISTANCE (NO12) ...7.49
- MIDWINTER (NO12) ...9.99
- MIG 29 (1 MEG) ...9.99
- MONOPOLY ...17.99
- MONSTER PACK 2 (KILLING GAME SHOW, AWESOME, BEAST 2) (NO12) ...14.99
- MOTORHEAD ...11.99
- NEW ZEALAND STORY (NO12) ...7.49
- NICK FALDO'S GOLF ...20.99
- NICKY BOOM ...15.99
- NIGEL MANSELL'S WORLD CHAMP'SHIP (1 MEG) ...16.99
- NIGEL MANSELL'S WORLD CHAMP'SHIP (A1200 VERSION) ...18.49
- NO SECOND PRIZE ...16.49
- NUCLEAR WAR ...9.99
- OPERATION STEALTH (NO12) ...10.99
- OPERATION WOLF (NO12) ...7.49
- OVERDRIVE (1 MEG) ...16.49
- PANG ...7.49
- PANZA KICK BOXING (NO12) ...8.49
- PARASOL STARS ...16.99
- PERFECT GENERAL ...22.49
- PERFECT GENERAL DATA DISK ...13.99
- PGA TOUR GOLF + COURSES ...19.49
- PGA TOUR GOLF COURSE DISK ...11.49
- PINBALL DREAMS (1 MEG) ...12.99
- PINBALL FANTASIES ...17.99
- PIRATES (NOP) ...9.99
- PITFIGHTER ...7.49
- PLAYER MANAGER (NO12) ...8.99
- POOLS OF DARKNESS ...9.99
- POPULOUS & PROMISED LANDS (NO12) 9.99
- POPULOUS & SIM CITY ...16.99
- POPULOUS 2 (1 MEG) + CHALLENGE DATA DISK ...21.99
- POPULOUS 2 CHALLENGE DATA DISK (1 MEG) ...11.99
- POWER UP (CHASE H.Q, TURRICAN, X-OUT, ALTERED BEAST, RAINBOW ISLANDS) ...10.99
- POWERMONGER (NO12) ...19.49
- POWERMONGER WORLD WAR 1 DATA DISK (NO12) ...11.49
- PREMIER MANAGER (1 MEG) ...13.49
- PREMIERE (1 MEG) ...11.99
- PRIME MOVER ...19.49
- PRINCE OF PERSIA (1 MEG) ...7.49
- PRO TENNIS TOUR 2 ...10.99
- PROJECT X (SPECIAL EDITION) (1 MEG) ...9.99
- PUSH-OVER (1 MEG) ...16.99
- PUTTY ...13.99
- QUEST & GLORY (BLOODWYCH, MIDWINTER, CADAVER, BAT) (NO12) ...13.99
- R-TYPE (NO12) ...7.49
- RAGNAROK (NO12) ...21.99
- RAILROAD TYCOON (1 MEG) ...13.99
- RAINBOW COLLECTION (BUBBLE BOBBLE, RAINBOW ISLANDS, NEW ZEALAND STORY) (NOP) ...10.99
- RAVING MAD (MEGA TWINS, JAMES POND 2 - ROBOCOD, RODLAND) ...9.49
- REACH FOR THE SKIES ...19.99
- RICK DANGEROUS (NO12) ...7.49
- RISKY WOODS ...17.49
- ROAD RASH ...17.49
- ROBIN HOOD LEGEND QUEST ...7.49
- ROBOCOP 2 ...7.49
- ROBOCOP 3 (NO12) ...11.49
- ROME (1 MEG) ...19.49
- ROOKIES ...19.99
- SABRE TEAM ...11.49
- SECRET OF MONKEY ISLAND (1 MEG) ...13.99
- SECRET OF MONKEY ISLAND 2 (1 MEG) 23.99
- SENSIBLE SOCCER ('92/93 SEASON) ...16.99
- SEYMOUR GOES TO HOLLYWOOD ...7.49
- SHADOW OF THE BEAST 2 (+ T-SHIRT) 8.99
- SHADOW OF THE BEAST 3 ...19.49
- SHADOWORLDS (N012) ...15.99
- SHOOT-'EM-UP CONSTR'N KIT (NO12) ...8.49
- SHUTTLE (1 MEG) ...14.49
- SILENT SERVICE 2 (1 MEG) (NOP) ...12.99
- SIM CITY & POPULOUS ...16.99
- SIM CITY DELUXE (SIM CITY, FUTURE CITIES & TERRAIN EDITOR) ...22.49
- SLEEPWALKER ...20.49
- SMASH TV ...7.49
- SOCCER KID ...18.49
- SPACE CRUSADE (NO12) ...12.99
- SPACE CRUSADE DATA DISK (NO12) ...10.99
- SPECIAL FORCES (1 MEG) ...13.99
- SPIKE IN TRANSYLVANIA ...7.49
- SPIRIT OF EXCALIBUR (1 MEG) (NOP) ...8.99
- SPORTS MASTERS (PGA GOLF, INDY 500, ADVANTAGE TENNIS, EUROPEAN CHAMPIONSHIP'S 1992) (1 MEG) (NO12) 19.99
- STARBLADE (NO12) ...7.49
- STEVE DAVIS SNOOKER ...10.99
- STORM MASTER ...9.99
- STREETFIGHTER 2 ...18.49
- STUART PEARCE'S SOCCER SELECTION'S (KICK OFF 2, WORLD CHAMPIONSHIP SOCCER, MANCHESTER UNITED, INTERNATIONAL SOCCER) (NO12) ...12.99
- STUNT CAR RACER (NO12) ...7.49
- SUPER CARS (NO12) ...6.99
- SUPER CARS 2 (NOP) ...8.49
- SUPER FROG (1 MEG) ...16.49
- SUPER HANG ON ...7.49
- SUPER HERO ...19.49
- SUPER SEYMOUR ...7.49
- SUPER SPORTS CHALLENGE ...15.99
- SUPERSKI 2 (NO12) ...7.49
- SWITCHBLADE 2 (NO12) ...8.49
- SWIV (NOP) ...8.49
- SYNDICATE (1 MEG) ...21.99
- THE ADVENTURES (SUPREMACY, HUNTER, CORPORATION) (NO12) ...13.99
- THE LOST TREASURES OF INFOCOM 1 (20 CLASSIC INFOCOM TEXT ADVENTURES) (NO12) ...27.99
- THUNDERHAWK ...10.49
- TITUS THE FOX ...8.99
- TORNADO (1 MEG) ...20.99
- TRANSARCTICA ...17.99
- TROJAN - ALIEX (LIGHT PHAZER GAME) ...8.99
- TROJAN - CYBER ASSAULT (LIGHT PHAZER GAME) ...8.99
- TROJAN - FIRESTAR (LIGHT PHAZER GAME) ...8.99
- TROJAN - THE ENFORCER (LIGHT PHAZER GAME) ...8.99
- TURRICAN ...7.49
- TURRICAN 2 ...7.49
- TV SPORTS BASEBALL (NO12) ...12.99
- TV SPORTS BOXING (NO12) ...12.99
- TV SPORTS FOOTBALL (NO12) ...6.99
- ULTIMA 5 (NO12) ...10.99
- ULTIMATE GOLF (NO12) ...7.99
- UNIVERSAL MONSTERS ...16.99
- UTOPIA + DATA DISK ...11.49
- VIKINGS - FIELD OF CONQUEST (1 MEG) 10.99
- VROOM (NO12) ...12.99
- VROOM DATA DISK (NO12) ...12.49
- WALKER ...19.49
- WAXWORKS (1 MEG) ...22.49
- WHEELS OF FIRE (HARD DRIVIN', POWERDRIFT, CHASE H.Q, TURBO OUTRUN) (NO12) ...12.99
- WING COMMANDER 1 (1 MEG) ...9.99
- WIZ-KID ...16.99
- WIZARDRY 7 - CRUSADERS OF THE DARK SAVANT (1 MEG) ...28.99
- WWF WRESTLING (NO12) ...10.99
- WWF WRESTLING 2 (1 MEG) ...16.99
- XENON 2 MEGABLAST ...8.99
- ZAK MCKRACKEN (NO12) ...9.99
- ZOOL (1 MEG) ...11.99
- ZOOL (A1200 VERSION) ...17.99
- ZOOL 2 (1 MEG) ...17.49

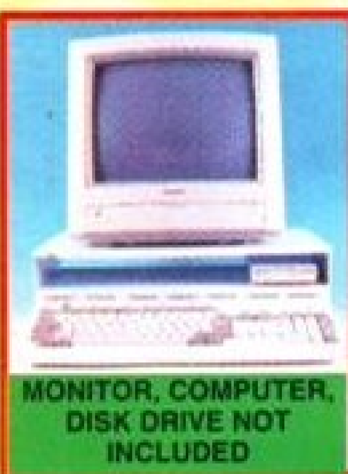
EDUCATIONAL

- ADI ENGLISH (11-12 YRS) ...16.49
- ADI ENGLISH (12-13 YRS) ...16.49
- ADI ENGLISH (13-14 YRS) ...16.49
- ADI FRENCH (11-12 YRS) ...16.49
- ADI FRENCH (12-13 YRS) ...16.49
- ADI FRENCH (13-14 YRS) ...16.49
- ADI JUNIOR COUNTING (4-5 YRS) ...13.99
- ADI JUNIOR COUNTING (6-7 YRS) ...13.99
- ADI JUNIOR READING (4-5 YRS) ...13.99
- ADI JUNIOR READING (6-7 YRS) ...13.99
- ADI MATHS (11-12 YRS) ...16.49
- ADI MATHS (12-13 YRS) ...16.49
- ADI MATHS (13-14 YRS) ...16.49
- ALVIN'S PUZZLES (6-8 YRS) ...13.49
- AMOS EASY (FIRST PROGRAMMING) ...21.99
- FUN SCHOOL 3 (2-5 YRS) ...13.99
- FUN SCHOOL 3 (5-7 YRS) ...13.99
- FUN SCHOOL 3 (7+ YRS) ...13.99
- FUN SCHOOL 4 (2-5 YRS) ...15.99
- FUN SCHOOL 4 (5-7 YRS) ...15.99
- FUN SCHOOL 4 (7+ YRS) ...15.99
- FUN SCHOOL SPECIAL - MERLIN'S MATHS (7-11 YRS) ...16.49
- FUN SCHOOL SPECIAL - PAINT 'N CREATE EDUCATIONAL ART (5+ YRS) 16.49
- FUN SCHOOL SPECIAL - SPELLING FAIR (7-13 YRS) ...16.49
- KIDSTYPE JUNIOR W/PROCESSOR ...13.49
- MEGA MATHS (A' LEVEL COURSE) ...16.99
- MICRO ENGLISH (8 YRS TO GCSE, CONFORMS TO NATIONAL CURRICULUM) 16.99
- MICRO FRENCH (BEGINNER TO GCSE, CONFORMS TO NATIONAL CURRICULUM) 16.99
- MICRO GERMAN (BEGINNER TO GCSE AND BUSINESS LEVEL, CONFORMS TO NATIONAL CURRICULUM) 16.99
- MICRO MATHS (11 YRS TO GCSE, CONFORMS TO NATIONAL CURRICULUM) 16.99
- MICRO SCIENCE (1 MEG)(8 YRS TO GCSE, CONFORMS TO NATIONAL CURRICULUM) 16.99
- NODDY'S PLAYTIME (1 MEG) (EDUCATIONAL PROGRAM FOR CHILDREN AGED 3+) ...16.99
- PAINT POT 2 (4-10 YRS) ...13.49
- SHOPPING BASKET (6-8 YRS) ...13.49
- WHICH? WHERE? WHAT? (4-8 YRS) ...13.49

UTILITY

- 3D CONSTRUCTION KIT (WITH VIDEO) 11.99
- 3D CONSTRUCTION KIT 2 ...31.99
- AMOS (GAMES CREATOR) ...29.99
- AMOS 3D (REQUIRES AMOS) ...21.99
- AMOS COMPILER (REQUIRES AMOS) 19.49
- AMOS EASY (FIRST STEPS TO PROGRAMMING) ...21.99
- AMOS PROFESSIONAL ...31.99
- AMOS PROFESSIONAL COMPILER (COMPILES AND SPEEDS UP PROGRAMS WRITTEN IN AMOS, EASY AMOS OR AMOS PROFESSIONAL) ...23.99
- DELUXE PAINT 3 (WITH ANIMATION) ...24.99
- DELUXE PAINT 4 (1 MEG) (HAM MODE & ANIMATION) ...54.99
- DELUXE PAINT 4 (AGA FOR AMIGA 1200 WORKS IN 256 COLOUR AND NEW 8-BIT HAM MODE) ...59.99
- DISNEY ANIMATION STUDIO (1 MEG) ...57.99
- FINAL COPY 2 WORD PROCESSOR ...66.99
- FUN SCHOOL SPECIAL - PAINT 'N CREATE EDUCATIONAL ART (5+ YRS) 16.49
- HOME ACCOUNTS 2 ...34.99
- HOME OFFICE KIT DELUXE (KIND WORDS 3, MAXI PLAN 4, AND INFOFILE). REQUIRES ONE EXTERNAL DISK DRIVE OR HARD DRIVE. (1 MEG) 59.99
- KID PIX (1 MEG) ...18.99
- KIDSTYPE JUNIOR W/PROCESSOR ...13.49
- KIND WORDS 3 WORD PROCESSOR ...29.99
- MINI OFFICE (W/PROCESSOR, SPREADSHEET, DATABASE AND DISK UTILITIES) ...34.99
- PEN PAL WORD PROCESSOR ...54.99
- POWERWORKS (MAXIPLAN PLUS SPREADSHEET, KIND WORDS 2 WORD PROCESSOR INFOFILE D/BASE) (NOP) 24.99
- PUBLISHER (PAGE LAYOUT PACKAGE) CAN PRODUCE BLACK AND WHITE NEWSLETTERS, FLYERS, ANNUAL REPORTS AND MAGAZINES. REQUIRES ONE EXTERNAL DISK DRIVE OR HARD DRIVE (1 MEG) (NO12) ...29.99
- TECNOPLUS BUSINESS PACK FOR AMIGA (WORDWORTH W/PROCESSOR, K-SPREAD 2 SPREADSHEET + K-DATA DATABASE) (1 MEG) ...71.49
- WORDWORTH V.2 W/PROCESSOR (1 MEG) 75.99
- WORDWORTH V1.1E AMIGA 500 + WORD PROCESSOR (SPECIAL ENHANCED 2 MEG VERSION + 1 MEG UPGRADE FOR A500P) 79.99
- WORDWORTH V1.1E AMIGA 600 WORD PROCESSOR (SPECIAL ENHANCED 2 MEG VERSION + 1 MEG UPGRADE FOR A600) ...94.99

BITS'N'PIECES



- DELUXE WORK CENTRE FOR AMIGA A1200 (STEEL MONITOR STAND WITH EXTRA SHELF FOR EXTERNAL DISK DRIVE AND ACCESSORIES, MOUSE HOLDER, MOUSE MAT AND ALL IN ONE DUST COVER) ...42.99
- DELUXE WORK CENTRE FOR AMIGA A500 OR A500 PLUS (STEEL MONITOR STAND WITH EXTRA SHELF FOR EXTERNAL DISK DRIVE AND ACCESSORIES, PLUS JOYSTICK/MOUSE EXTENDER CABLE SET, MOUSE HOLDER, MOUSE MAT AND ALL IN ONE DUST COVER)... 44.99
- PREMIER CONTROL CENTRE FOR AMIGA A600 (STEEL MONITOR STAND WITH EXTRA SHELF FOR EXTERNAL DISK DRIVE AND ACCESSORIES. CUSTOM FIT FOR THE A600) ...32.99
- EXTERNAL 3.5" DISK DRIVE FOR AMIGA WITH SONY/CITIZEN DRIVE MECHANISM. 880K FORMATTED CAPACITY, QUIET, HIGH QUALITY, SLIM LINE DESIGN, COLOUR MATCHED METAL CASE AND LONG REACH CONNECTION CABLE. ...54.99
- POWER SCAN HAND SCANNER FOR AMIGA (VERSION 2) TRUE GREY SCALE, 100-400DPI (INCLUDES SOFTWARE) ...99.99
- SCREENBEAT STEREO SPEAKERS FOR AMIGA OR IBM PC. REQUIRES 4AA BATTERIES OR MAINS ADAPTOR. DESIGNED SPECIFICALLY FOR COMPUTERS, INCLUDING MOUNTINGS FOR ATTACHMENT TO MONITOR. ...18.99
- MAINS ADAPTOR FOR SCREENBEAT SPEAKERS ...7.99
- SOUND ENHANCER FOR AMIGA (BOOSTS SOUND ...29.99
- ZYDEC STEREO SPEAKERS FOR AMIGA WITH BUILT-IN AMPLIFIER AND VOLUME CONTROLS. ...29.99

LEADS

- HI-FI LEAD FOR AMIGA (STANDARD PHONO INPUT) ...3.99
- MONITOR LEAD FOR AMIGA TO PHILIPS CM8833 MK2 MONITOR ...7.99
- SCART LEAD FOR AMIGA TO SONY TV (GIVES MONITOR QUALITY PICTURE) ...9.99
- SCART LEAD FOR AMIGA TO TV WITH SCART INPUT (GIVES MONITOR QUALITY PICTURE) ...9.99
- SCART LEAD FOR TV TO VIDEO (GIVES EXCEPTIONAL ENHANCED QUALITY PICTURE) ...8.99
- AMIGA TO VGA PC MONITOR ADAPTOR (ALLOWS USE OF VGA PC MONITOR ON AMIGA) ...21.99

MEMORY UPGRADES

- 1 MEGABYTE A500 PLUS RAM UPGRADE WITH CLOCK (TECNOPLUS) ...32.99
- 1 MEGABYTE A600 RAM UPGRADEWITH CLOCK ...34.99
- 2 MEG PCMCIA UPGRADE FOR A600 OR A1200. PLUGS DIRECTLY INTO SMART CARD SLOT. THESE ARE NOT BATTERY BACKED AND CAN'T BE USED AS A DISK, ONLY AS RAM. ...114.99
- 4 MEG PCMCIA UPGRADE FOR A600 OR A1200. PLUGS DIRECTLY INTO SMART CARD SLOT. THESE ARE NOT BATTERY BACKED AND CAN'T BE USED AS A DISK, ONLY AS RAM. ...164.99
- 512K AMIGA RAM WITH CLOCK FOR A500 AND A500+ ...29.99
- 512K AMIGA RAM WITHOUT CLOCK FOR A500 AND A500+ ...24.99

DUST COVERS

- DUST COVER FOR A600 ...4.99
- DUST COVER FOR AMIGA 500 OR ATARI ST (CLEAR PVC) ...4.99
- DUST COVER FOR MONITOR (CLEAR PVC) ...4.99

MUSIC & VIDEO EQUIPMENT

- VIDI AMIGA 12 (CAPTURES COLOUR IMAGES FROM VIDEO MACHINE OR CAMCORDER. COMPATIBLE WITH TAKE 2, DELUXE PAINT 4 AND MOST ART PACKAGES) ...72.99
- FOUR PLAYER JOYSTICK ADAPTOR FOR AMIGA ...7.99
- JOYSTICK EXTENDER CABLE FOR AMIGA (3 METRES) ...5.99

DISKS

- PACK OF10 TDK 3.5" MF-2DD DISKS (DSDD) ...8.99

VERBATIM 3.5" DSDD DISK WITH LABEL 10 Pack £7.99

27.99 FOR 50

AMIGA A600

AMIGA A600 LEMMINGS PACK
1 MEG RAM EXPANDABLE TO 2 MEG
1 YEAR IN-HOME SERVICE WARRANTY
WORKBENCH 2.0
MOUSE AND LEMMINGS GAME **189.99**

AMIGA A1200

AMIGA A1200 HOME COMPUTER
WITH FAST 68020 PROCESSOR
2 MEG RAM EXPANDABLE TO 4 MEG
1 YEAR IN-HOME SERVICE WARRANTY
WORKBENCH 3.0
MOUSE
SAVE £34 **359.99**
WORKS WITH A TELEVISION OR SUITABLE MONITOR VIA RF OR SCART CONNECTION

AMIGA A4000/030

AMIGA A4000/030 HOME COMPUTER
WITH 80 MEG INTERNAL HARD DRIVE
POWERFUL 68030 PROCESSOR (25MHz)
4 MEG RAM (2 MEG CHIP + 2 MEG FAST)
I YEAR IN-HOME SERVICE WARRANTY
WORKBENCH 3.0
AND MOUSE **929.99**
AMIGA COMPATIBLE.
(PRICE DOES NOT INCLUDE MONITOR)

GOLDSTAR 14" TV/MONITOR

GOLDSTAR 14" TELEVISION/MONITOR
WITH REMOTE CONTROL
& SCART INPUT
FREE SCART LEAD
(STATE SNES, SEGA OR AMIGA) **154.99**
GIVES PIXEL PERFECT PICTURE

SONY 14" TELEVISION/ MONITOR
MODEL KVM1400
REMOTE CONTROL
FREE SCART LEAD
(STATE SNES, SEGA, AMIGA or ST) & DEDUCT £20 OFF OUR PRICE OF ANY GAME (OR THE TOTAL OF SEVERAL GAMES) PURCHASED AT THE SAME TIME AS THIS SONY TV
£20 OFF A GAME OFFER
NEW MODEL **199.99**
SONY TV/MONITOR ENABLES MONITOR QUALITY PICTURE FROM AMIGA, SUPER NES, ST OR MEGADRIVE VIA SCART CONNECTION. ALSO SUITS ALL CONSOLES VIA NORMAL RF INPUT. INCLUDES REAR SCART/EURO. 60 CHANNEL TUNING. BLACK TRINITON SCREEN. TWO POSITION TILT DESIGN FOR CHOICE OF ANGLE. INCLUDES LOOP AERIAL. SUPERB QUALITY.
ALSO AVAILABLE IN WHITE AT £199.99
ALSO AVAILABLE WITH TELETEXT AT 249.99

PHILIPS 15" FST COLOUR TELEVISION/ MONITOR + TELETEXT
WITH TELETEXT
MODEL 15PT161A
REMOTE CONTROL
FREE SCART LEAD
(STATE SNES, SEGA, AMIGA or ST) **234.99**
SAVE £15 OFF RRP
AUTO PROGRAMMING, 1 YEAR WARRANTY. ENABLES MONITOR QUALITY PICTURE FROM AMIGA, SUPER NES, MEGADRIVE OR MASTER SYSTEM 1 VIA SCART CONNECTION. ALSO SUITS ATARI ST AND ALL CONSOLES VIA NORMAL RF INPUT. INCLUDES SCART/EURO TO A/V CHANNEL. VERY SMART.

MORE PRINTERS & MONITORS AVAILABLE - PLEASE PHONE FOR DETIALS

We only supply official UK products. Official suppliers of all leading brands. We sell games and peripherals all at amazing prices for Megadrive, Master System, Game Gear, Super NES, Gameboy, NES, Lynx, Amiga, Atari ST, PC, CD ROM and Apple Mac. And we sell T-shirts and cuddly toys!
Special Reserve Club Shop at The Maltings, Sawbridgeworth, Herts. Open to 7pm Weekdays and to 5pm Saturdays.

CITIZEN PRINTERS

CITIZEN 120D+ 9-PIN MONO PRINTER
80 COLUMN, 144 CPS/25NLQ, 2NLQ/1 DRAFT FONT
2 YEAR WARRANTY
FREE PRINTER LEAD
HIGH QUALITY BUDGET PRICED PRINTER
122.99

CITIZEN SWIFT 90C 9-PIN COLOUR PRINTER
WITH COLOUR KIT, 9 PIN, 80 COLUMN 240CPS/54NLQ 6NLQ FONTS, 2 YEAR WARRANTY
FREE PRINTER LEAD
A 9 PIN PRINTER WITH COLOUR FACILITY AND FULL PAPER HANDLING FUNCTIONS
167.99

CITIZEN 200C 24-PIN COLOUR PRINTER
WITH COLOUR KIT, 24 PIN, 80 COLUMN 216CPS/72LQ6 LQ/1 DRAFT FONT, AUTOSET FACILITY INPUT DATA BUFFER, AUTO PAPER LOADING ENVELOPE PRINTING, 2 YEAR WARRANTY
FREE PRINTER LEAD
209.99

CITIZEN 240C 24-PIN COLOUR PRINTER
WITH COLOUR KIT, 24 PIN, 80 COLUMN, 240CPS/80LQ 9 LQ/1 DRAFT FONT,
2 YEAR WARRANTY
FREE PRINTER LEAD
ADVANCED VERSION OF 24E WITH AUTOSET FEATURE AND LCD CONTROL PANEL
259.99

CANON BJ10-EX PRINTER

CANON BJ10-EX BUBBLE JET PRINTER
64 NOZZLE, 80 COLUMN, 83LQ CPS 2LQ/1 DRAFT FONT, I YEAR WARRANTY
FREE PRINTER LEAD
A SMALL PORTABLE PRINTER, VERY QUIET IN OPERATION YET GIVING OUTSTANDING PRINT QUALITY.
205.99

DISK BOXES



BANX DISK BOX 3.5" (120) STACKABLE 13.99

BANX DISK BOX 3.5" (80) STACKABLE 12.49


DELUXE DISK BOX 3.5" (80), LOCKABLE, DIVIDERS 9.99

DISK BOX 3.5" (10 CAPACITY)......................1.99
DISK BOX 3.5" (120) LOCKABLE, DIVIDERS 9.99



SEGA MEGADRIVE

SEGA MEGADRIVE + THREE GAME PACK
WITH SONIC THE HEDGEHOG
EA ICE HOCKEY
JOHN MADDEN'S '93
TWO SEGA JOYPADS
129.99

JOYSTICKS


BOLLISTICK HAND HELD JOYSTICK FOR AMIGA OR ST WITH AUTOFIRE FUNCTION 9.99


CHEETAH BUG JOYSTICK 13.99

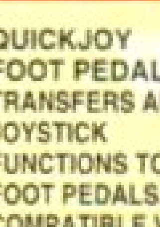

COMPETITION PRO EXTRA JOYSTICK (CLEAR BASE) 10.99

COMPETITION PRO STAR JOYSTICK 14.99

FREEWHEEL STEERING WHEEL (DIGITAL) FOR AMIGA SUITS MOST DRIVING GAMES 25.99


GRAVIS JOYSTICK FOR AMIGA WITH FOAM PADDED GRIP, ADJUSTABLE HANDLE TENSION AND PROGRAMMABLE FIRE BUTTONS 23.49


LOGIC 3 SIGMA-RAY JOYSTICK 11.99

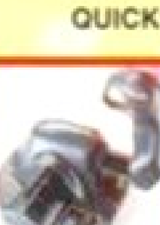

MINI COMPETITION PRO 5000 JOYSTICK 12.99


MINI COMPETITION PRO STAR JOYSTICK WITH AUTOFIRE 15.99

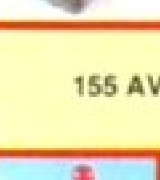
QUICKJOY FOOT PEDAL TRANSFERS ANY JOYSTICK FUNCTIONS TO FOOT PEDALS. IDEAL FOR FLIGHT AND CAR SIM'S. COMPATIBLE WITH MOST AMIGA GAMES. 19.99


QUICKJOY JET FIGHTER JOYSTICK 11.99


QUICKJOY QJ1 JOYSTICK (MICROSWITCHED) 7.99

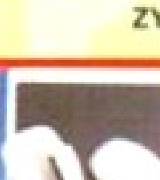

QUICKJOY TOP STAR JOYSTICK 19.99

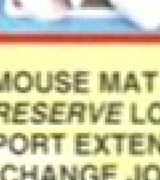
QUICKSHOT 111A TURBO 2 JOYSTICK 9.99

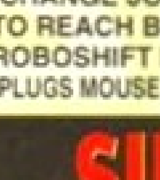

QUICKSHOT 128F MAVERICK 1 JOYSTICK 12.99


QUICKSHOT 137F PYTHON JOYSTICK 9.99


QUICKSHOT 149 INTRUDER 1 JOYSTICK 22.99


QUICKSHOT 155 AVIATOR 1 JOYSTICK 23.99


SPEEDKING ANALOGUE JOYSTICK FOR AMIGA (FOR PROPORTIONAL CONTROL ON SUITABLE SOFTWARE) 12.99


SUPER PRO ZIP STICK JOYSTICK FOR AMIGA WITH AUTOFIRE FUNCTION 12.99


ZYDEC TRACKBALL 24.99

ALPHA OPTIC MOUSE AMIGA OR ATARI ST. 300 DPI 29.99

DRAGON MOUSE 12.49
MOUSE MAT (LIGHT GREY) WITH *SPECIAL RESERVE* LOGO PRINTED IN RED............4.99
PORT EXTENSION ADAPTOR FOR AMIGA (CHANGE JOYSTICKS WITHOUT NEEDING TO REACH BEHIND COMPUTER) 5.99
ROBOSHIFT INTERFACE FOR AMIGA (PLUGS MOUSE & JOYSTICK INTO ONE PORT) ...12.99

SUPER NES

SUPER NES + STARWING
WITH STARWING GAME
ONE JOYPAD
SAVE £20.00
109.99

FOR A FREE 12 PAGE COLOUR CATALOGUE CALL
0279 600204



Special Reserve members can have all this.. can YOU?

- READ "NRG" Regular Club Magazine
- CHOOSE from our Huge Selection
- BUY at Best Possible Prices
- SAVE with our Special Deals
- SAVE more with our XS Coupons
- WIN £60,000 worth of prizes FREE

JOIN now from just £4.99

We only supply members but you can order as you join
There's no obligation to buy and you can be any age.
Just send in the form below or phone Sales on **0279 600204**.

As a member of Special Reserve you'll receive regular issues of NRG magazine. NRG is our 48 page colour club magazine sent bi-monthly only to Special Reserve members. NRG contains:

1. The best selection of games, peripherals and hardware for all popular formats. We are official Sega, Nintendo and Sony stockists.
2. Reviews in colour and latest information on new products
3. Charts and Release Schedule, to help you choose and plan
4. The best prices. Just one purchase will save you your joining fee
5. Hundreds of Special Offers. Top games at prices you won't believe
6. XS Super Savers. Money-off coupons worth over £180 a year
7. **£60,000** worth of prizes per year in our **FREE-to-enter BIG TARGET COMPETITIONS**. That's £10,000 worth in every issue of NRG, exclusive to members.

That's why over 160,000 people have joined Special Reserve, the biggest games club in the World!

0279 600204

9am to 8pm Weekdays, 9am to 5pm Saturday, 10am to 5pm Sunday
10am to 5pm Bank Holidays. Order/Confirmation/Receipt sent for every order.
THERE IS A SURCHARGE OF 50p PER GAME ON TELEPHONED ORDERS.
You can also Fax your order to us on: 0279 726842

We pride ourselves on our after-sales service. (18 customer service lines) Inevitably some games listed may not yet be available. Please phone sales on 0279 600204 to check availability before ordering. In the event of delay we issue refunds on request at any time prior to despatch. We reserve the right to change prices without prior notification. E. & O.E.

Registered Office & Club Shop: Inter-Mediates Ltd, 2 South Block, The Maltings, Sawbridgeworth, Herts. CM21 9PG.

All prices include VAT and carriage to UK mainland. See base of order form for overseas surcharges. We supply hardware only to UK mainland addresses.

MEMBERSHIP FEES	6 MONTHS TRIAL MEMBERSHIP	ONE YEAR ANNUAL MEMBERSHIP	TWO YEARS WITH FREE HARD BINDER
UK MEMBERS	4.99	7.99	14.99
OVERSEAS EC MEMBERS	6.00	10.00	20.00
OVERSEAS WORLD MEMBERS	7.00	12.00	24.00

WE ONLY SUPPLY MEMBERS BUT YOU CAN ORDER AS YOU JOIN.
THERE IS A SURCHARGE OF 50p PER GAME ON TELEPHONED ORDERS.
(PLEASE PRINT IN BLOCK CAPITALS) RACE

Name ____________________
Address ____________________
____
____________________ Postcode ____________
Phone ____________ Machine ____________
Enter membership number (if applicable) or
NEW MEMBERSHIP FEE (ANNUAL UK 7.99)
item
item
item
item
ALL PRICES INCLUDE UK POSTAGE & VAT £
Cheque/P.O./Access/Mastercard/Switch/Visa (Switch Issue No______)
Card expiry date ________ Signature ____________________

Cheques payable to: **SPECIAL RESERVE**
P.O. BOX 847, HARLOW, CM21 9PH

Overseas Orders Surcharge (EC or World): Software orders please add £2.00 per item. Non-software items please add 25%. Hardware items supplied to UK mainland only. Overseas orders must be paid by credit card.



Cheap 'n'

"Never say no to a bargain," said our man **Steve Bradley** as he grabbed all the budget games and locked himself in the test room for days...

Lotus Turbo Challenge 2

GBH ■ £9.99 ■ Reviewed *AF*29 89%



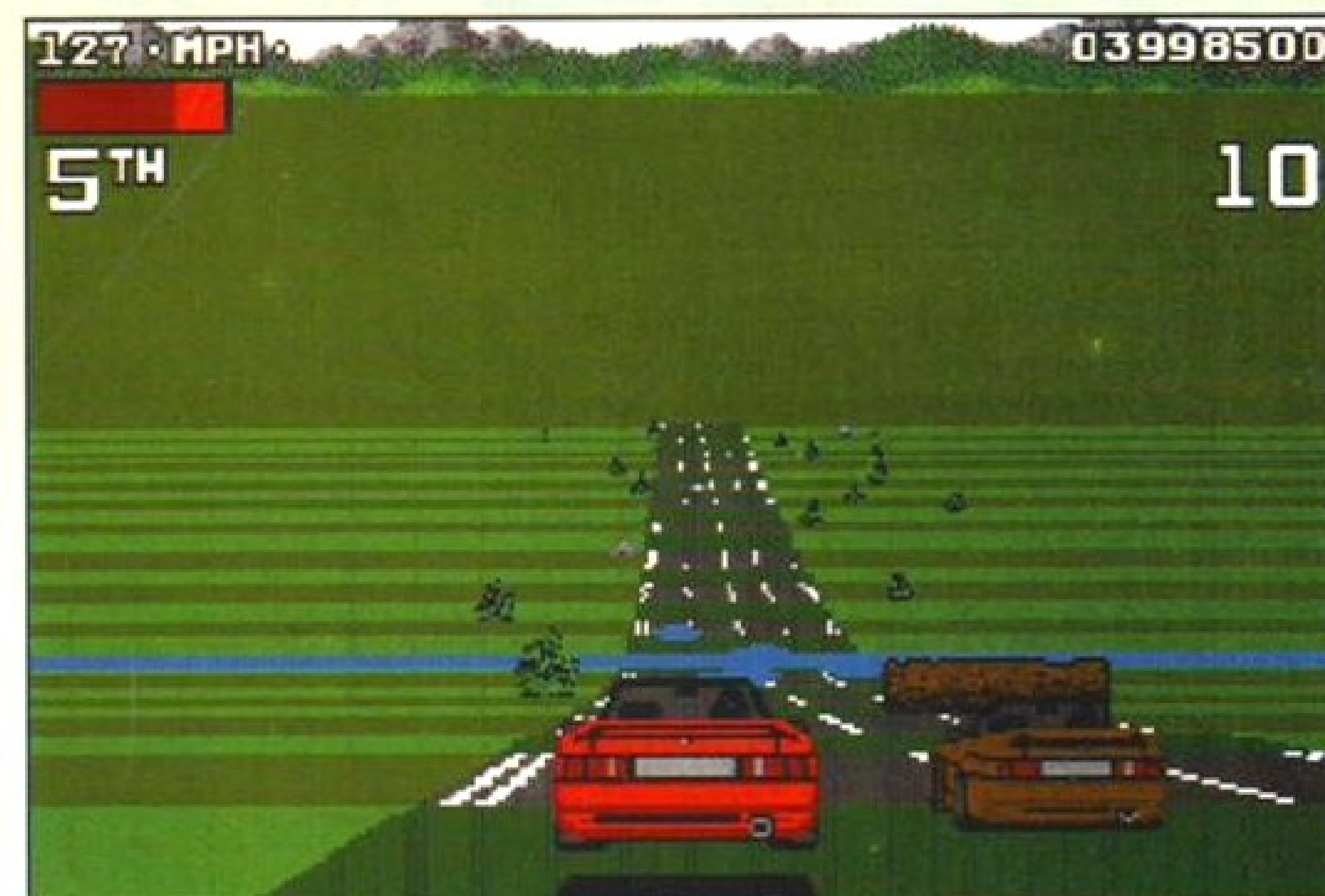
"Live fast, die young, have a beautiful Porsche" so said James Dean – well something like that anyway. Unfortunately Jimmy never got to drive a Lotus Elan.

If I had a Lotus Elan, no way would I go anywhere near a racetrack. Still, this is a computer game so there's no point worrying eh? *Lotus 2* is a view-from-behind, against-the-clock race with eight different driving stages (and conditions) to contend with.

There are plenty of options here as well, including four player mode (by linking machines), the choice of manual or automatic gears, and acceleration by fire-button or joystick. The stages include forests, deserts along with various weather conditions, and each has a number of checkpoints to get through.

Winning the race is very much a case of foot down and go for it. Any dawdling and you will run out of time. *Lotus 2* is an excellent racing game and you're constantly spurred on to reach the next stage just to see what the conditions are. But as Ferris Bueller once said: "You killed the car" and unfortunately, you cannot kill the Elan in *Lotus 2*, no matter how many times you hit objects.

AMIGA FORMAT GOLD 87%



"And in the lead is American folk singer Tracy Chapman, closely followed by Gary Numan and, oh dear, Adam Ant has just pulled out due to Car Trouble."

The Cycles

Hit Squad ■ £9.99 ■ Reviewed *AF*9 84%



I knew that Joey had the edge but that didn't stop me trying to ride my silver machine like the wind.

My Mum used to warn me about the danger of riding motorcycles, although I used to have a Raleigh Chopper which was more dangerous. *The Cycles*, you will be pleased to know, is not in the least bit life threatening. There are 15 different circuits and to win the World Championship, you have to race the lot.

Before each race, you run a solo qualifying lap to determine your place on the grid and this also gives you an idea of the track layout. Early doors, it's best to go for the 125cc bike rather than the 250cc or the four cylinder 500cc. I tried the 500cc first and spent a lot of time on grassy verges. If you're into racing games, *The Cycles* will certainly keep you going for a while. The main gripe is that you can't race against a friend, but it's a good buy for a tenner.

Verdict 80%

Murder!

Kixx ■ Reviewed *AF*14 81%



I knew Major Nigel, cunningly masquerading as Alexei Sayle, was guilty as sin.

Have you ever watched that TV programme *Cluedo*? Well this isn't anything like it. Alright, it's a bit similar in that solving a murder is the name of the game. The action takes place in a mansion, with a rather splendid 3D isometric viewpoint of the old pile. You have to search the mansion for clues, question suspects, hunt for fingerprints and generally snoop around to find out what the butler saw. You get two hours to solve the crime and with almost three million murders, you get many a chance to prove that crime doesn't pay.

Verdict 81%



Gomez had felt for some time that all was not well chez Addams. The final straw came as he entered the john and faced a jousting monkey riding a duck.

CONTACT NUMBERS

Kixx	021-625 3311	Hit Squad	061-832 6633
GBH	0742 753423	Empire	081-343 7337
Zeppelin	091-385 7755	Alternative Software	0977 797777

Cheerful

The Immortal

Hit Squad ■ £12.99 ■ Reviewed *AF*16 78%



Harry looked on impassively as the oversized Goblin took a sword to the man in the dress.

Have you ever watched that TV programme *The Crystal Maze*? Well this isn't anything like it. A subtle mixture of puzzle-solving and extreme violence, *The Immortal* takes you to a dungeon that time forgot. Fraught with frightfully frightful danger, you must search for your master Mordamir who is trapped in the bottomless cavern. Along the way, you have to fight goblins with swords, pass through Indiana Jones-type traps where spears shoot out of skulls, and solve puzzles. The graphics are excellent and it's almost worth getting killed just to see the blood seep out of your body. There are seven levels to tackle and if you like adventures with a bit of action, you will like *The Immortal*.

Verdict 82%

Pinball Magic

Kixx ■ £9.99 ■ Reviewed *AF*8 75%



I like to think I am by far, the best pinball player at *Amiga Fomat*. But I'm not – yet.

There have been a couple of important releases in the pinball field since *Magic* came out, namely *Pinball Dreams* and *Pinball Fantasies*. Both are better than *Magic*. But that doesn't mean *Magic* isn't good. It is good, it just isn't magic.

There are 12 levels to plough through, each level accessed by a door. To open a door, you must extinguish a series of lights, or in some cases, destroy a number of bricks. Even though the tables are small, the game works well and pinball fans will enjoy the challenge of completing the levels and going for the jackpot bonus.

Verdict 79%

The Addams Family

Hit Squad ■ £9.99 ■ (Reviewed *AF*35 78%)

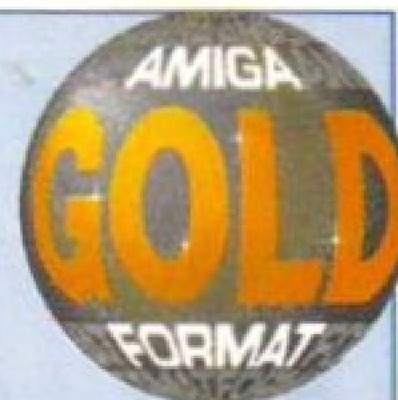
Odd looking bunch the Addams Family, and who is that hand fella? It would be nice to see this lot on *Family Fortunes*. Come to think of it, didn't they win *Telly Addicts* last year?

Anyway, *The Addams Family* is a licensed platformer from the film of the same name. Gomez (that's you that is) has to rescue members of his (Addams) family who have been captured by evil Abigail Craven, a woman anxious to lay her hands on the family fortune. Would you want to rescue Pugsley, Wednesday and Granny if they'd disappeared? This he must do by searching the mansion which consists of a veritable maze of rooms, as well as areas outside and underground.

You never quite know what to expect upon entering a room – flying teacups, animals on unicycles, tortoises riding sealions (the last one was a lie). There are helpful pick-ups to collect along the way including a fez which enables you to fly. Both the graphics and soundtrack are excellent and the playing area is so large, it will keep you going for ages.

Verdict 88%

Space Legend compilation



Wing Commander

Empire ■ Reviewed *AF*44 83% ■ £29.99



"She's ne gonna take it Jim" cried Chewbacca as the crew from Blakes Seven landed at Shepperton.

Not long after its full price release, *Wing Commander* finds itself on a compilation. This one's a mixture of flight sim and shoot-em-up with Saturday morning cartoon graphics to boot. With the alien Kilrathi race hellbent on causing mayhem, it's your job to get out there and blow 'em away. Whether you do depends on your tactical ability and accuracy with the bullet. With its nicely animated graphic sequences and good narrative development, *Wing Commander* is an enjoyable Star Warsian (can I say that?) romp.

MegaTraveller 1

Reviewed *AF*24 70%



Roger consumed his eighth pint of stout knowing full well Trudy's frenzied diatribe was lies, all lies.

Set 5,000 years in the future, *MegaTraveller* is a tale of warring factions – the evil Zhodani Consulate and the goodies, the Third Imperium. The Zhodani are preparing another attack, and the only way to stop them is to infiltrate computer records about the conspiracy and then apprehend their leader.

MegaTraveller is a role-playing game where you get to design the characteristics of your team to do the business. It's not easy to get into and unfortunately the Space Legends manual is not particularly user-friendly. However, those with the patience of Job may find it rewarding.

Elite Plus

(Not previously reviewed)



"Cap'n, what's large, green and septagonal in shape?" "Oh Jenkins, not that old one again".

You are the owner of a rather tasty Cobra Mk III spaceship which you collect from planet Lave. How you choose to use the ship is entirely up to you. The galaxy is your oyster. Some may wish to take the less dangerous course of the trader and defensive combateer, while others may prefer the glamorous but more risky route of the bounty hunter. Either way, you must be clued-up and this means canny trading and careful flying. And behave yourself in the skies (young man).

Graphically, *Elite Plus* is nothing special, but the gameplay is excellent with fine attention to detail.

The Space Legends compilation is very good value for 30 quid, particularly as *Wing Commander* was only recently released at full price a few months back.

Amiga Format Gold 91%

Bully's Sporting Darts

Alternative Software ■ £9.99 ■ (Not previously reviewed)



The Hand wasn't sure whether he preferred the speedboat, the caravan, or the Mini Metro.

Bullseye – the TV programme responsible for putting a speedboat on every council estate in northern England – enters the Amiga arena with the exotic *Bully's Sporting Darts*. It's a veritable feast, nay, a festival of darting fun. On the oche are the classics – 501 and Round the Board, and the sports games football, golf, cricket, tennis and snooker.

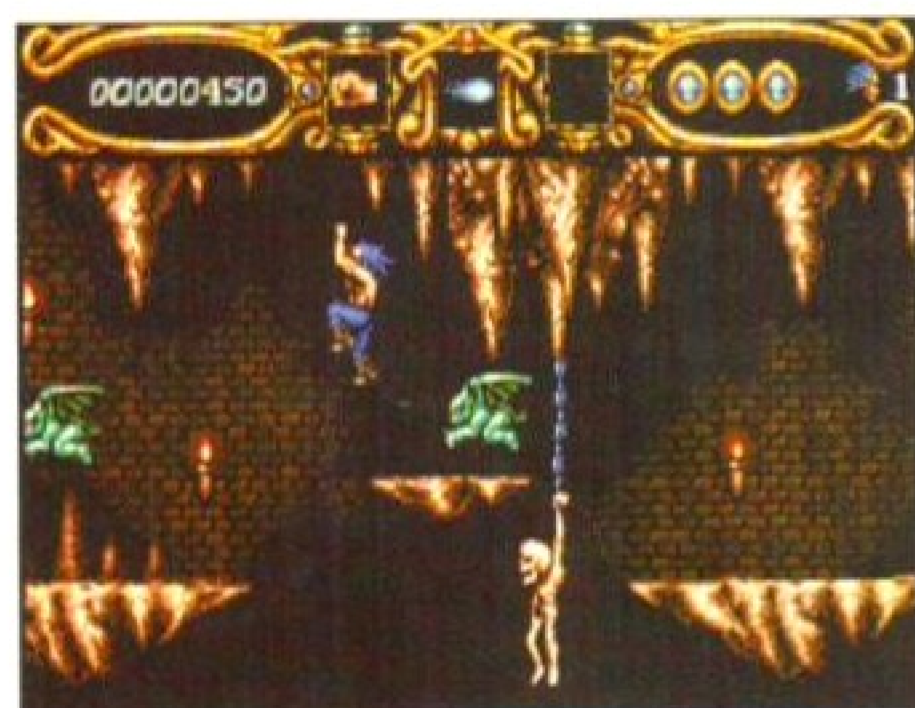
So how do you play darts on a computer? Well, you control a wobbly hand in front of the dartboard, and when you fancy your chances of hitting the target, press the joystick firebutton. Simple.

The sports options aren't anything special, although the pleasant 'outdoor' sound effects in golf are rather nice. *Bully's Sporting Darts* works best in two player mode playing traditional 501. Good fun if you like darts or competitive two player sports sims.

Verdict 72%

Myth

Kixx ■ £9.99 ■ Reviewed *AF*37 58%


"Oi, Terry, if you're stopping off down the pie shop, get us two pasties and a coke – I'm starving."

I think it's important at this juncture to point out that the skeletons in this game look like they've just wandered off the set of Jason and the Argonauts. *Myth* is a tale of a warrior, fighting heroic battles against fiendish foes. And what a warrior he is. Brave, strong and true, he can swordfight like Bruce Dickenson, jump like Carl Lewis and punch like Larry Grayson, sorry I mean Holmes. Looks a bit like Wolf from *Gladiators* as well.

The graphics are very nicely done and the sound can, at times, be quite disturbing – listen for the anguished howl as you bite the dust (again). But *Myth*, despite its visual promise, is a sheep in wolf's clothing. The gameplay is solid rather than spectacular and it's really no more than a beat-em-up in ancient times.

Verdict 68%

Maniac Mansion

Kixx XL ■ £12.99 ■ (Not previously reviewed)



"Do this, do that. Walk here, walk there. I'm sick of this. Play something else."

There are strange goings on at the big house on the hill. Dr Fred, a mad scientist, has kidnapped cheerleader Sandy. What a rebel. And in a kooky and American kind of way you must lead some college students to champion her wonder cause and rescue her. Ooh, wasn't that a streak of lightning flashing in the sky?

Anyway, there's loads of visual humour and lots of mouse clicking involved. With weird characters everywhere, the success of your mission depends upon which mates you take with you and how you interact with the environment. Strangely, it's quite compelling after a while.

Verdict 73%

MiG-29 Fulcrum

Hit Squad ■ £12.99 ■ Reviewed *AF*29 91%



I'm not nervous. Why should I be nervous? More apprehensive than nervous. MiG-29s – piece of cake. Not that nerves are a bad thing you understand.

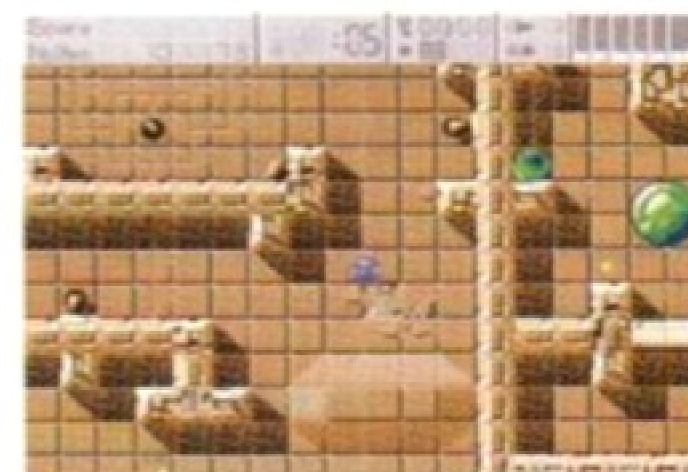
Only the Russian fighter pilots among our readers are likely ever to have flown a MiG-29. Well now is the chance for others to get in on the act. *MiG-29 Fulcrum* offers you the chance to join an elite squadron of pilots and fly to various parts of the world killing people and destroying things. Unfortunately, and quite unfairly, there are other pilots out there intent on shooting you down. Elements of *Top Gun* abound in the head-to-head battles. You only have a limited number of missiles so you need to make sure you lock on, though this is still no guarantee of a direct hit. There are only a few missions, but they are all quite involved. *MiG-29* is great fun, even for those like myself who are not massive fans of flight sims, and this is a great buy for thirteen knicker.

Gold 91%


"Heh heh, pyramids. So you think you're famous. Took a long time to build did you? Couldn't build you today could we?" ('Killer' Bolovski's final radio contact.)

Universal Warrior

Zeppelin ■ £7.99 ■ (Not previously reviewed)


Even paving slabs of the future are cracked. I blame the council cash cuts.

War in the future is going to be fought by small Metal Mickey-type characters in brick mazes. You are a Combat Warrior Droid, equipped for battle, but with various types of battle to fight, you must customise your kit according to the combat arena you are in. The more armour and weaponry you take on board, the heavier you become and the slower you run. However, in order to upgrade, you have to trade with local merchants, some more honest than others. Other aspects include insuring the droid, the repair shop and the bookies. It's a sort of poor man's *Alien Breed* but good fun nonetheless.

Verdict 65%

The BBC Radio 1's
TV and Radio presenter



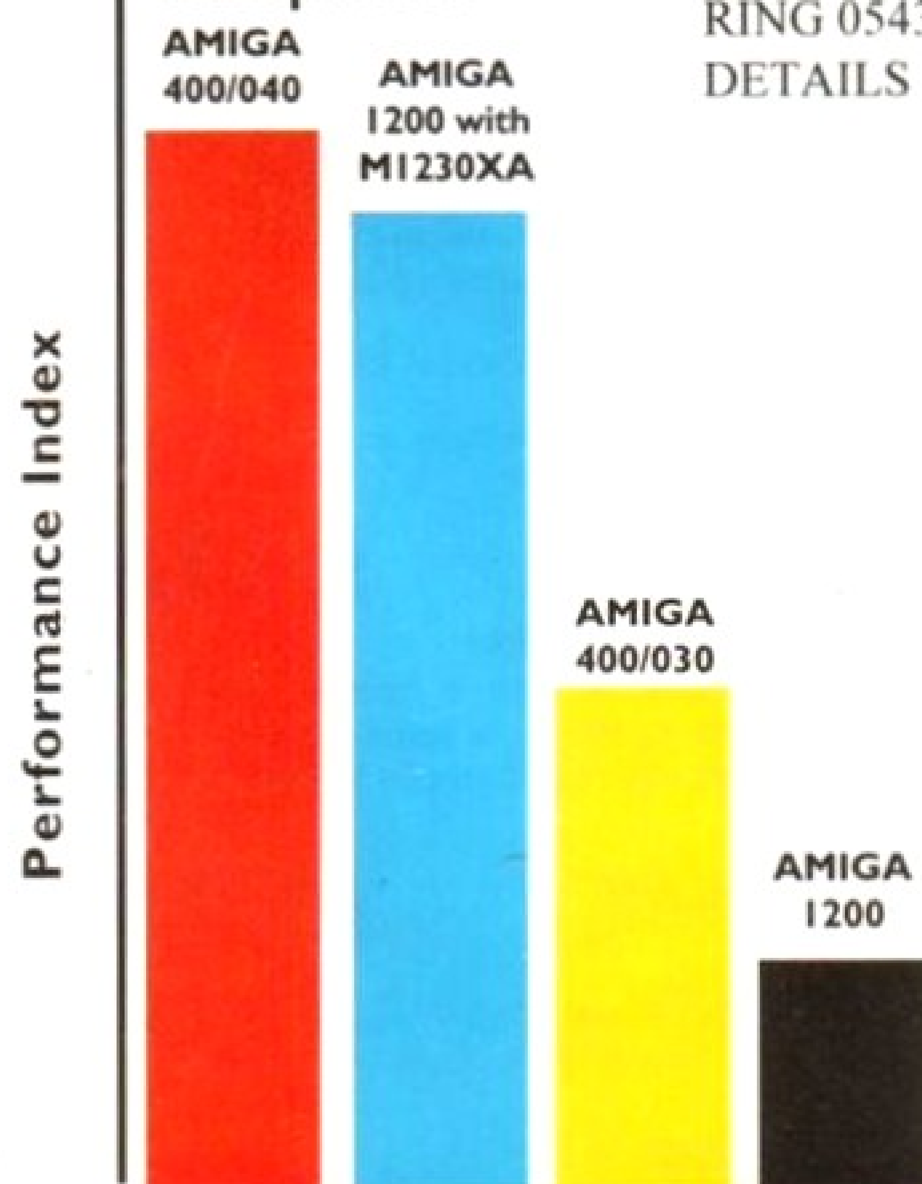
INDI DIRECT MAIL
Proudly Presents
THE JAKKI BRAMBLES COLUMN



NEW MEGA A1200!

Due to the shortage of A4000 / 030 INDI are nowoffering a mega A1200 configuration. Just look at this spec A1200 * 4 MEG RAM * 80 Meg HD * M1230 XA 50 Meg HZ .Runs @ 1.5 times faster than a standard A4000 / 030. Now look at the price **£939.99** (save £100 with A500 trade in) Credit terms available.

PHONE 0543 419999 FOR DETAILS



INDI LAUNCH NEW MULTI MEDIA CLUB

Indi have just launched **"The Indi Multi media Club"**. Members will be offered a complete range of Amiga Software covering Professional, Games, Utilities, CDTV, and CD Audio and video and selected PD.

Membership costs £10 per annum with a free offer on joining. Members will then receive a monthly catalogue giving incredible discounts on all products listed.

RING 0543 419999 FOR MORE DETAILS

DMA ENSURES HIGHEST PRACTICE

As with most industries, the UK's personal computer industry has its share of cowboys operating in the mail order sector and at the receiving end a line up of despairing consumers who have suffered at their hands.

A personal computer is a sophisticated and expensive item and provided the purchaser is dealing with a reputable and accredited supplier, buying a computer by mail order can be a perfectly safe and cost effective exercise. The Direct Marketing Association (DMA) was set up in April 92 to set and maintain high standards for the sake of the industry and society at large, and to ensure that we can continue to regulate our own activities on the basis of proper professional responsibility.

Membership of the DMA is not conferred lightly - it is a privilege which entails responsibilities, to the consumer as well as to the industry. The foundation for this must be good practice. DMA members are required to abide by the highest standards as laid down in the DMA's code, enforced on members by The Authority of the DMA a separate body with an independent Chairman, and which is an assurance of vigorous self - regulation and professional responsibility.

DMA members also agree, as a condition of membership, to abide by The British Code of Advertising Practice and The British Code of Sales Promotion Practice: to apply the Mailing Preference Service file when appropriate: and to subscribe to the Advertising Standards Board of Finance (ASBOF) and to the Mailing Standards Levy as applicable.

The DMA symbol can only be used by members. Printed on stationary, advertising and other promotional material it demonstrates that these companies conform to the Association's high standards and are subject to the DMA's Code of Practice, thus enhancing the companies credibility with customers, suppliers and of greatest importance, the consumer.

Since the symbol was introduced last June, it has become synonymous with quality , professionalism and and responsibility. While it cannot be shown in any way which will become a sign of best industry practice and of strict adherence to DMA codes of conduct. The symbol represents authority for members and reassurance for consumers. It has been a high valued mark of confidence signifying to the consumer the truly professional edge of the industry.

Alison Slan
(Director of Public Relations,DMA)

Hi,

Commodores decision to reduce the price of the Amiga 600 took everyone by surprise and really positions the A600 as the perfect entry level computer .

Of course the problem with new technology is that something has to be left behind and in Commodores case it's the poor old 500.

Now Indi tell me that Commodore are taking back all old A500's when you buy a new state of the art Amiga 1200. So dust off that old A500 make sure that it is in full working order and you still have the mouse, modulator, manuals and power pack. Give Indi a call on **0543 419999** and ask for **"Amiga 500 Trade in Desk"**, Indi will send Securicor to your home and pick up your A500 at their cost and then deliver a superb new Amiga 1200 with **£100 off** the advertised price. Remember this is a limited offer

What's a PCMCIA slot I ask? Indi explained to me that its Commodores way of ensuring that both the Amiga 600 and 1200 can remain future proof. Credit card style memory cards are already available from Indi but thats just the beginning, faxes, modems and network cards are on their way and who knows what else. If you need to know more about PCMCIA why not drop me a line.

On the subject of letters I have been swamped. It's absolutely great and I promise each one will be responded to and get a signed photograph so keep them coming! Last months winning letter came from **Adrian Simpson of County Down** Northern Ireland who gave a very well informed comparison between Amiga and less useful consoles.

I was absolutely knocked out with all the details he sent me concerning the music capabilities of the Amiga. Adrians letter was far too detailed to reprint but a big thankyou to him for writing it. Adrian the prize is on its way.

WHAT DOES THIS SYMBOL MEAN



Finally I received a few important letters asking what is the **DMA** and why is it important to consumers that Indi is part of it. On thais page you will find a letter from the Chairman of the DMA, it's well worth a read.

Jakki Brambles





DEFERRED CREDIT ON ALL ORDERS OVER £200. *PAY 10% NOW AND NOTHING MORE FOR 3 MONTHS

CUSTOMER CHARTER

INDI Direct Mail is original and very exciting. Before you buy mail order you must first be confident that you will receive the product you've ordered and that the supplier will be still be there in the future, should you need them.

A mail order purchase from INDI is a safe and secure decision, and here's why.

INDI is a wholly owned subsidiary of a public company now in it's tenth year of trading and specialising in the supply of computer products.

With a turnover approaching £30 million per annum, we have the resources and the purchasing power to offer you the best deals, deliver them next day nationwide and always be around when you need us.

SALES AND SUPPORT

The INDI sales team have been trained to take your order with the utmost care and efficiency. All stock offered for sake is held in stock, centrally at our group ware house complex and is available for next day delivery, direct to your home or business. If at any time we are out of stock your money will not be banked until the product is available (a point worth checking should you be tempted to purchase elsewhere)

General information regarding product is available from our sales team, however technical support is always on hand should you need assistance.

All prices quoted are inclusive of VAT.

INDI TELESALES

TEL 0543 419999 FAX 0543 418079

CREDIT FACILITIES

INDI are now able to offer competitive credit facilities on all orders over £200. All credit facilities are subject to status and applicants must be over the age of 18.

If you would like a quote simply call our our sales line where acceptance can normally be notified within the hour. We are also able to offer Credit Insurance to cover repayments in the event of sickness or unemployment.

AMOUNT* OF CREDIT	12 MONTHS		24 MONTHS		36 MONTHS	
	MONTHLY PYMNTS	TOTAL PAYABLE	MONTHLY PYMNTS	TOTAL PAYABLE	MONTHLY PAYABLE	TOTAL PYMNTS
200	£22.00	£264.00	£12.00	£298.32	£9.31	£335.63
500	£54.99	£659.88	£31.06	£745.44	£23.27	£837.72
1000	£109.98	£1319.76	£62.13	£1491.12	£46.54	£1675.44

APR 29.9% WRITTEN QUOTATIONS AVAILABLE ON REQUEST
*After deposit paid

AFTER SALES AND SPECIALIST SERVICE

All products are guaranteed for 12 months. Some products carry a 12 months at home service and repair guarantee (where indicated). In the unlikely event that any product purchased from INDI arrives at your home faulty, we will collect from your home and replace the product completely free of charge.

As part of our policy of continual product development and refinement, we reserve the right to change specifications of products advertised. Please confirm current specifications at the time of ordering.

Prices are valid for month of publication only.

AMIGA A1200

ALL NEW 32 - BIT AMIGA



INDI ADDED VALUE FREE

COMIC RELIEF PACK

The event may be over but the fund raising still goes on. If you're looking for the latest in Amiga technology then this is the starter pack for you. Based around the outstanding A1200, this pack also gives you sleepwalker, a most addictive platform game from ocean software. You'll be pleased to know that every one of these packs purchased raises another £10 for Comic Relief.

A1200 STANDARD FEATURES.

* 68020 Processor * PCMCIA Slot. * 2MB Chip RAM. * 3.5" Internal Drive * AA Chipset. * Built in TV modulator. * Alpha numeric keypad. *12 Months at home maintenance.

INDI PRICE

£379.99 or from **£14.47*** per month

*(Credit price based on 36 monthly payments APR 29.8%. Total repayment £520.92 and 90 day deferred payments.

OFFICIAL A1200 HD SYSTEMS

The Amiga 1200 supplied by Indi Direct Mail now includes the official (legal) Commodore installation disk and hard drive utility manual. Indi are proud to be an official supplier of Amiga 1200 Hard Drive systems, that include the official software, documentation and on - site warranty.

A500 TRADE IN!!

£100 for your old Amiga 500 against any A1200 from Indi Direct. Must be in full working order, complete with mouse, manuals and P.S.U

A1200 60 MEG HD INDI PRICE £569.99
A1200 80 MEG HD INDI PRICE £599.99
A1200 120 MEG HD INDI PRICE £679.99

INDI A1200 ACCESSORY PACKS

Pack Contains:
* International Games Challenge. * The Cool Croc.
* Paradroid 90. * Zapsac and Zappo T - shirt.

INDI PRICE £19.99

60 / 80 Hard Disk upgrades available on any A1200. Upgrade includes full Wang warranty on A1200 and Hard Disks. Phone for a quote.

AMIGA A4000



It's here - The new Amiga 4000/030

The NEW Amiga 4000/030 features a EC68030 processor running at an incredible 25Mhz, and upgradable at a later date to a faster processor. The 4000/030 has a powerful 4 Mb of 32 - bit RAM (2Mb chip & 2 Mb fast) expandable to 18 Mb using industry standard 32 - bit Simms module. In line with the Amiga Flagship 4000/040 the 4000/030 features the new AGA graphics chipset, giving you a massive pallet of 16.8 million colours. A range of hard drive options are available from 80 - 240 Mb and includes a SCSI option.

4000/030 80 Mb HD INDI PRICE £939.99

Other Drive Options

4000/030 120 Mb HD INDI PRICE £1039.99

4000/030 240 Mb HD (exclusive to INDI)
Phone for price.

4000/030 120 Mb SCSI HD (exclusive to INDI)
Phone for price

A full range of approved upgrades are available for the 4000/030, including additional memory modules, hard drives, PC bridge boards, FPU's (68881 &68882)and the 24 - bit Opal Vision graphics and video system

NEW MONITOR RANGE

THE NEW DUAL SYNC1942 Monitors have been specially designed for the New Amiga 1200 and 4000 computers. Both monitors feature built - in stereo speakers.

INDI PRICE

1940 Monitor £279.99

14 inch screen size - 0.39 mm dot matrix

INDI PRICE

1942 Monitor £379.99

14 inch screen size - 0.28 mm dot matrix



Parnet Adaptor for CDTV

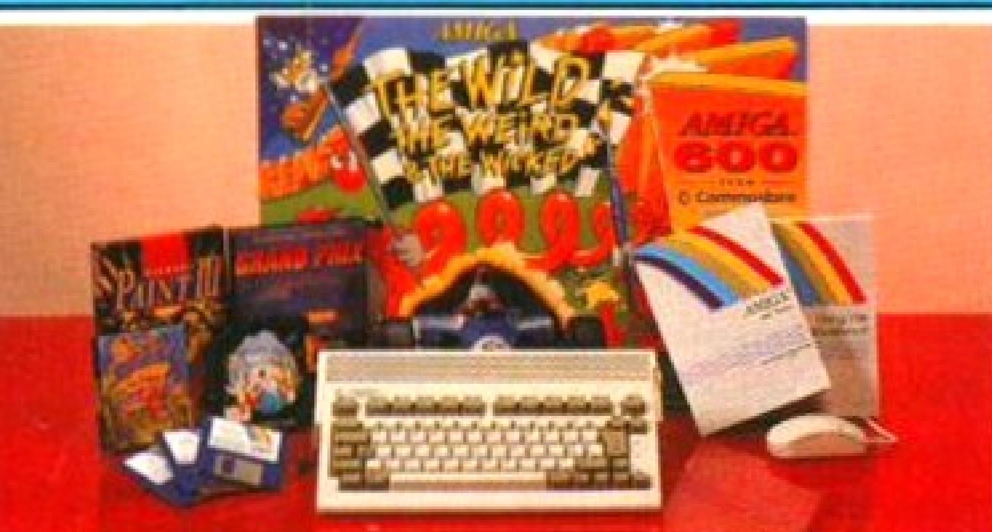
Connect a CDTV player to any Amiga, and access the world of CD - ROM software.The Parnet interface and software will allow the Amiga CDTV to be used as a CD - ROM drive withe any Amiga and will give any Amiga owner access to the vast range of CDTV software currently available.

The CDTV player offers excellent value for money when compared with a standard CD - ROM drive and interface. Most CD - ROM drives will set you back over £400 while CDTV will cost you less than £300 and will play audio CD's in addition to CD - ROM / CDTV disks your Amiga, interface cable and PD disk with driver software for your CDTV player.

INDI PRICE £39.99

A4000/030 PLUS CDTV + 1960 MONITOR.
INDI PRICE £1599.99
CDTV + PARNET.
INDI PRICE £329.99

AMIGA A600 PRICE CRASH



THE WILD THE WEIRD AND THE WICKED A600 is an ideal starter pack containing a considered mix of software, making the most of the Amigas capabilities.

PACK CONTAINS:
* A600 Single Drive
* Built in TV Modulator
* 1 Mb Memory
* Pushover: Grandprix
* Silly Putty: Deluxe Paint III
* Mouse and Manuals

NEW LOW LOW PRICES

~~£289.99~~ **£215.99**

A600 - SD A single drive Amiga for those of you requiring a basic A600 at a very competitive price.

PACK INCLUDES: A600 single drive, built in TV modulator, 1 Mb memory. 12 Months at home service

INDI VALUE ADDED FREE * Kick Off 2 * Pipemania * Space Ace * Populous * Microswitched Joystick

INDI PRICE ~~£239.99~~ **£189.99**

A600 EPIC PACK (40 Mb HD) PACK INCLUDES:
A600 Hard Disks (40Mb) * 1 Mb Memory * Epic * Rome * Myth * Trivial Pursuit * Amiga Text * Deluxe Paint III * 12 Months at home service.

PLUS INDI ACCESSORIES PACK AS LISTED COMES WITH AN EXTRA 512K RAM EXPANSION FREE.

INDI PRICE ~~£395.99~~ **£379.99**

INDI A600 ACCESSORY PACK
* Microswitched Joystick * Lockable Disk Box * Disk Wallet * 10 Blank Disks * Kick Off 2 * Pipemania * Space Ace * Populous * Zapsac Carry Case * Zappo T - Shirt.

INDI PRICE £26.99

WANT THE BEST IN PROFESSIONAL AMIGA. WHY NOT TAKE ADVANTAGE OF THE CREDIT DEALS AVAILABLE (SUBJECT TO STATUS). CREDIT AVAILABLE ON 6,12, 18, 24, 36 MONTHS. WHY NOT RING NOW FOR A QUOTE. SAME DAY RESPONSE.

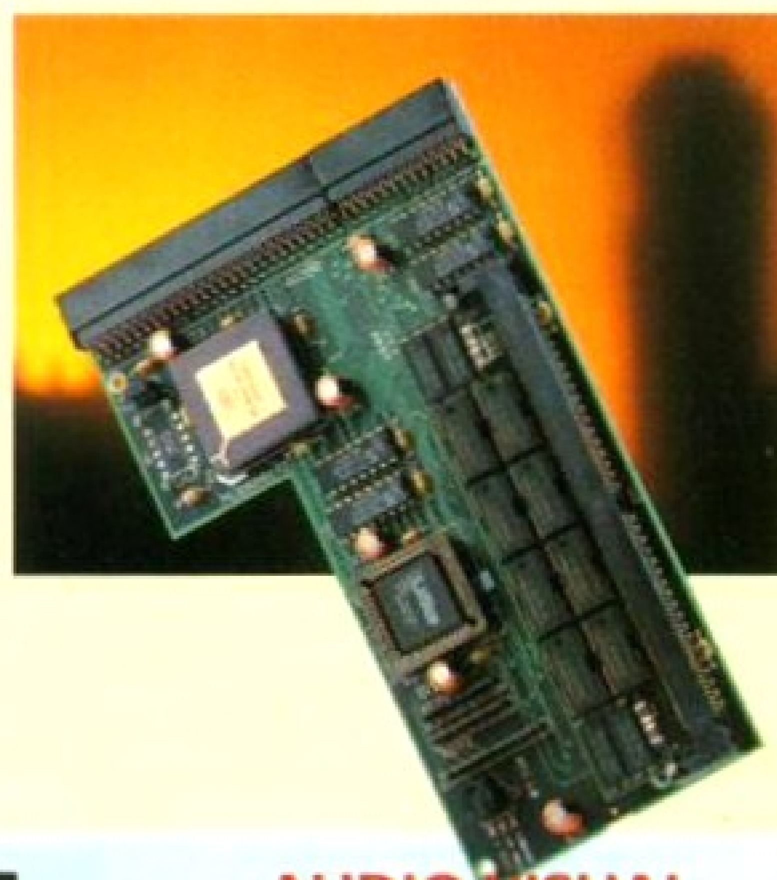


AMIGA RECOMMENDED PERIPHERALS & ACCESSORIES

NEW FROM MICROBOTICS!!!. M1230XA ACCELERATOR LAUNCH!!

Microbotics beats the competition in price/ performance/ features and configurations. INDI is very pleased to announce the availability of the new 68030 accelerator product for the A1200: the microbotics M1230 XA (call it the "XA" for short). 50 Mhz as standard! Huge 128 MB memory design is standard (the biggest memory space in any A1200 peripheral) just look at these specifications and prices!

M1230 XA W/40 MHZ EC 030 OMB **INDI PRICE £299.99**
M1230 XA W/40 MHZ EC 030 4MB **INDI PRICE £399.99**
M1230 XA W/40 MHZ EC 030 8MB **INDI PRICE £499.99**
M1230 XA W/50 MHZ MMU 030 0MB **INDI PRICE £399.99**
M1230 XA W/50 MHZ MMU 030 4MB **INDI PRICE £499.99**
M1230 XA W/50 MHZ MMU 030 8MB **INDI PRICE £599.99**



MBX1200.

The original and best floating point unit and memory upgrade for the Amiga A1200. Available with 0,4 or 8 MB of 32 bit Fast RAM and a choice of floating point units.Now complete with real time clock (RTC)

IMBX1200Z 6881 14 MHZ 0MB **INDI PRICE £149.00**
MBX1200Z 6881 14 MHZ 4MB **INDI PRICE £299.00**
MBX1200Z 6881 14 MHZ 8MB **INDI PRICE £399.00**
MBX1200Z 6882 25 MHZ 0MB **INDI PRICE £199.00**
MBX1200Z 6882 25 MHZ 4MB **INDI PRICE £349.00**
MBX1200Z 6882 25 MHZ 8MB **INDI PRICE £429.00**
MBX1200Z 6882 50 MHZ 0 MB **INDI PRICE £399.00**
MBX1200Z 6882 50 MHZ 4MB **INDI PRICE £499.00**
MBX1200Z 6882 50 MHZ 8MB **INDI PRICE £599.00**

MEMORY UPGRADES AND ACCESSORIES

M501 The original 0.5MB battery backed upgrade for the A500.

INDI PRICE £29.99

M502 The original H1 MB battery backed upgrade for the A500.

INDI PRICE £49.99

8 Up memory board. Designed for the A1500/ A2000. Memory upgradeable to 2/ 4 or 8MB

INDI PRICE £69.99

Hard frame suitable for A1500/ A2000. Allows for the interface of a SCSI hard drive.

INDI PRICE £110.99

AUDIO VISUAL

MEGAMIX. Low cost, hi spec digital effects cartridge plugs into the printer port of the Amiga. Allows stereo sampling from almost any musical source.
INDI PRICE £29.99

VIDI AMIGA 12. The ultimate low cost colour digitiser for the Amiga. "The best value full colour digitiser on the market" AMIGA FORMAT.
INDI PRICE £75.99

TAKE 2. Animation package is a must foe computer artists and enthusiasts of all ages. As used in Rolf Harris Cartoon Club.
INDI PRICE £37.99



ROCTEC ROCGEN
Entry level Genlock for all Amigas. Record stunning Amiga Graphics into standard video or overlay text and graphics onto a video signal.
INDI PRICE £69.99

ROCTEC ROCGEN PLUS.
As above but with extra features such as tinting and signal inversion. Allows for real time editing of graphics. Compatible with all Amigas.
INDI PRICE £133.99

ROCTEC ROCKEY.
The ultimate accessory for Amiga / Video fans. Separate RGB controls to chroma key on any colour.
INDI PRICE£249.99

PYRAMID SCANNER.
A total hand held scanning package for all Amigas complete with interface and software.(mono)
INDI PRICE £99.99

AMIGA PERIPHERALS



2MB SMARTCARD. The original and still the only fully PCMCIA compatible memory card for A600/ A1200.Comes with lifetime guarantee. Beware of cheap imitations.
INDI PRICE £129.99

4MB SMARTCARD. Same as above but maximum 4MB.
INDI PRICE £199.99

ZAPPO 601.
Trapdoor upgrade for the A600. 1MB with RTC.
INDI PRICE £49.99

ZAPPO 601 INC. As above only 512K no clock. **INDI PRICE £29.99**



DISK DRIVES



ZAPPO EXTERNAL FLOPPY
You've seen all the reviews on this popular and affordable second Amiga drive. Compatible with all Amigas.

INDI PRICE £59.99

"Quality: 9 out of10. " Exceptional value for money. AMIGA COMPUTING JAN 93

MONITOR



1084ST MONITOR.
Commodores original and best selling colour stereo monitor. Now includes swivel and tilt stand for total ease of use.

INDI PRICE £189.99

(£179.99 if purchased with A600 / A1200 / A1500)



Third Party OpalVision Software

(Available now or coming soon)

Aladdin 4D, Amilink Video Editing Products, Art Department Professional, Caligari 24, Cine Morph,Fractal Pro, Image FX, Imagemaster, Imagine, Michtron Entertainment Products Morph Plus, Real 3D, Scala Multi media 200, Texture City Image Libraries, 3D Professional, Transporter, Tv Paint, Vista Pro, Video Visions and more!!!

The NEW OPAL VISION system (Rev.2)

The amazing Opalvision 24 - bit graphics board and software suite has been updated and is now even better value for money.
The software suite now includes:
Opal Paint V2.0 - Now includes full magic wand implementation and Alpha Channel that allows photo compositing with selectable levels on a pixel by pixel basis.The new Chrominance effect allows absolute, real time control of image contrast, brilliance and re - mapping of colours.
Opal AnimMATE V2.0 - ofering real time play back of animations created by ray tracers, landscape generators, morphers and all other 24 - Bit software.
Opal Hotkey V2.0 - Display OpalVision graphics anytime with key combinations.
Opal Presents - Comprehensive, icon - driven presentation package.
Special Limited off er
IMAGINE V2.0 for only **£59.99** when purchased with OPALVISION Imagine 3D is the most popular 3D rendering software, that now supports OpalVision.This is a full version that would cost £300 if purchaed separately.
"Quite simply, it's a spectacular product *- Amiga Computing*
"Undoubtedly the finest, most professional paint program to arrive on the Amiga" *- Amiga Format*
"Professonal quality at this Price can't be turned away" *- Amiga User International*
"The verdict was unanimous - brilliant" *- Amiga Shopper*

INDI PRICE £599.99

OpalVision NEWS FLASH

At Last - OpalVision Upgrade Modules!
OpalVision Video Processor - Plugs into the OpalVision mainboard and adds a waelth of additional features * 24 Bit real - time frame grabber from composite or S - Video. * Professional quality genlocking *VLSI microcode processor "Roaster Cip" for Digital Video Effects. *Luninance & Chroma Keying * 256 - level "Alpha Channel" (transparency) key.Management Software
Full specification available on request
OpalVision Video Suite - An advanced external rack mounted video and audio switching device with it's own internal computer. Includes 9 video and 10 audio inputs, 24 - Bit frame store and a host of special effects triggered manually or automatically.Full specification available on request
OpalVision Scan - Rate Convertor - For 31 Khz non - interlaced output of Amiga graphics, OpalVision images and any Pal or NTSC source. Time Base Correction adds to the list of professional features of a unit that simply plugs into the OpalVisionmain board.Full specification available on request
Amiga 4000 OpalVision Systems
Complete Amiga 4000 / OpalVision systems are available for a range of applications
*Graphics/ Fine Artists * Multimedia * Videographers * Animators * Desktop Publishing * Designers

TERMS AVAILABLE OVER 6, 12, 24, & 36 MONTHS SUBJECT TO STATUS. WHY NOT RING FOR A QUOTE. SAMEDAY RESPONSE. (SEE EXAMPLE)

Panasonic Quiet Colour Printing



We researched the colour printer market at great depth to find a colour printer good enough to cope with Amiga's powerful output, yet at an affordable price.
We found the perfect printer in the KX - P2180 and KX - P2123 quiet printers.
We then considered that if you were going to buy a Panasonic printer you would probably need a quality word processing package to use with it. We found that too, with 'Wordworth' yet at a retail price of £129.99 we thought that might be a little too expensive on top of your printer purchase! So together with Panasonic we decided to give a copy of 'Wordworth' free with every Panasonic printer. How's that for added value?

Panasonic KX - P2180



***WORDWORTH COMPLETELY FREE! WITH PANASONIC QUIET PRINTERS.** The writers choice. The ultimate word processor for AMIGA computers. Wordworth is undoubtedly the ultimate word / document processor for the full range of AMIGA computers. The graphical nature of WORDWORTH makes producing documents faster and easier, with the enhanced printing fonts (including full Panasonic KX - P2180 and KX - P2123 colour printing support), Collins spell checker and thesaurus, no other word processor comes close. "Without doubt this is one of the best document processors for the AMIGA, Today" (Amiga Format)
NORMAL RRP £129.99 inc. VAT

INDI PRICE
£189.99

The new Panasonic KX - P2180 9 -pin quiet printer. Produces crisp clear text in mono or in 7 glorious colours with new quiet technology. THe new KX - P2180 is typically 15dBa quieter in operation, than the competition.

* **Fast Printing** Speeds 192 CPS NLQ
* **Colour Printing** 7 colour palette (blue, red, green, yellow, violet, magenta,black)
* **Quiet printing** Super quiet 45 - 48 dBa sound level (most matrix printers are typically in excess of 60 dBa)
* **6 Resident Fonts** Over 6,100 type styles using Courier Prestige, Bold PS, Roman, Script and Sans Serif Fonts.
* **3 Paper Paths** Paper handling from bottom, top and rear for total flexibility
* **1 Year Warranty** for total peace of mind

Panasonic KX - P2123



INDI PRICE
£239.99

The new high performance Panasonic KX - P2123 24 pin. Quiet colour printer offers leading edge quiet printing technology at an affordable price

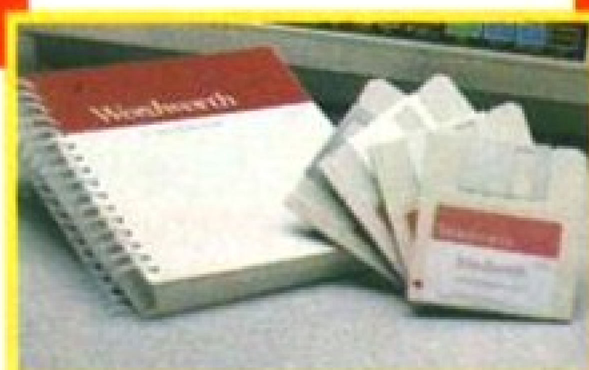
* **Fast Printing Speeds** 192 CPS draft, 64 CPS LQ and 32 SLQ.
* **Colour Printing** 7 colour palette (blue, red, green, yellow, violet, magenta, black)
* **Quiet Printing** Super quiet 43.5 - 46 dBa sound level (most matrix printers are typically in excess of 60 dBa)
* **7 Resident Fonts** Over152,000 type styles using Super LQ, Courier Prestige, Bold PS, Roman, Script, and Sans Serif Fonts.
* **24PIN Diamond** Printhead High performance and high quality output
* **1 Year Warranty** for total peace of mind.

Panasonic LASER PRINTER

KX - P4410 LASER PRINTER

KX - P4430 LASER PRINTER







WORDWORTH COMPLETELY FREEWITH PANASONIC LASER PRINTERS.
The writers choice. The ultimate word processor for AMIGA computers
NORMAL RRP £129.99 inc VAT

Once again INDI have joined together with Panasonic to offer all Amiga owners the most outstanding Laser Printer offer ever. We are now able to offer high quality, professional laser printing at affordable prices. We are also giving away a copy of Wordworth with every Panasonic Laser Printer purchased (RRP £129.99). Whether you are looking for a laser printer to handle word processing, DTP, presentation or complex graphic applications - the Panasonic range offers you the power to meet your requirements.

KXP - 4410

* 5 pages per minute
* 28 resident fonts
* Optional 2nd input bin(total printer capacity 2 x 200 sheets)
* Low running costs
* Parallel interface
* Optional memory expansion to 4.5 Mb (0.5 as standard)
* HP laserjet II Emulation

INDI PRICE
£499.99
inc. VAT

Imminent price increase.
This price while stocks last.

WORDWORTH COMPLETELY FREE WITH LASER PRINTERS



KXP - 4430

* Satinprint (optimum resolution technology)*
* 5 Pages per minute
* HP Laserjet III Emulation, PCL 5
* 8 Scalable fonts & 28 bitmap functions
* Optional 2nd input bin (total print er capacity 2 x 200 sheets
* Optional memory expansion to 5.0 Mb (1 Mb as standard)

INDI PRICE
£699.99
inc. VAT

Imminent price increase.
This price while stocks last.

*(Satinprinters use optimum resolution technology to produce truly outstanding print quality. This software technique smooths away traditional jagged edges on curved characters and lines by varying the printed dot size

WORDWORTH COMPLETELY FREE WITH LASER PRINTERS

Panasonic PRINTER ACCESSORIES



1) PANASONIC AUTOMATIC SHEET FEEDER
Automatic sheet feeder for KXP 2180/ KXP 2123 holds 80 A4 sheets. **INDI PRICE £89.99**

2) PRINT DUST COVER
Specially tailored quality dust cover for Panasonic KXP 2180/ KXP 2123 printer. **INDI PRICE £8.99**

3) PRINTER STAND
2 piece printer stand. **INDI PRICE £9.99**

4) PAPER PACK
500 sheets quality A4 paper. **INDI PRICE £9.99**

5) CONTINUOUS PAPER
2000 sheets 1 part listing paper. **INDI PRICE £19.99**

6) PARALLEL PRINTER CABLE
To be used when connecting Amiga to Panasonic printers.
INDI PRICE £8.99 (£5.99 if purchased with a printer)

7) PANASONIC COLOUR RIBBON
Colour ribbon for KXP 2180/ KXP 2123.
INDI PRICE£18.99

8) PANASONIC BLACK RIBBON
Black ribbon for KXP 2180/ KXP 2123. **INDI PRICE £9.99**

SAVE ££££'S ON THE FOLLOWING ACCESSORY PACKS

PACK 1
PANASONIC COLOUR RIBBON PACK
Contains 6 colour ribbons for the KXP 2123 RRP £119.99.
INDI PRICE £34.99 SAVE £30!!!

PACK 2
PANASONIC RIBBON PACK
Contains 2 black and 4 colour ribbons for KXP 2180/ KXP 2123.RRP £99.99.
INDI PRICE££69.99 SAVE £30!!!

PACK 3
PANASONIC DELUXE ACCESSORY PACK
Contains automatic sheet feeder, 2 black ribbons, 2 colour ribbons, 1 dust cover, 2 piece printer stand.
RRP £169.99 **INDI PRICE £139.99** SAVE £30

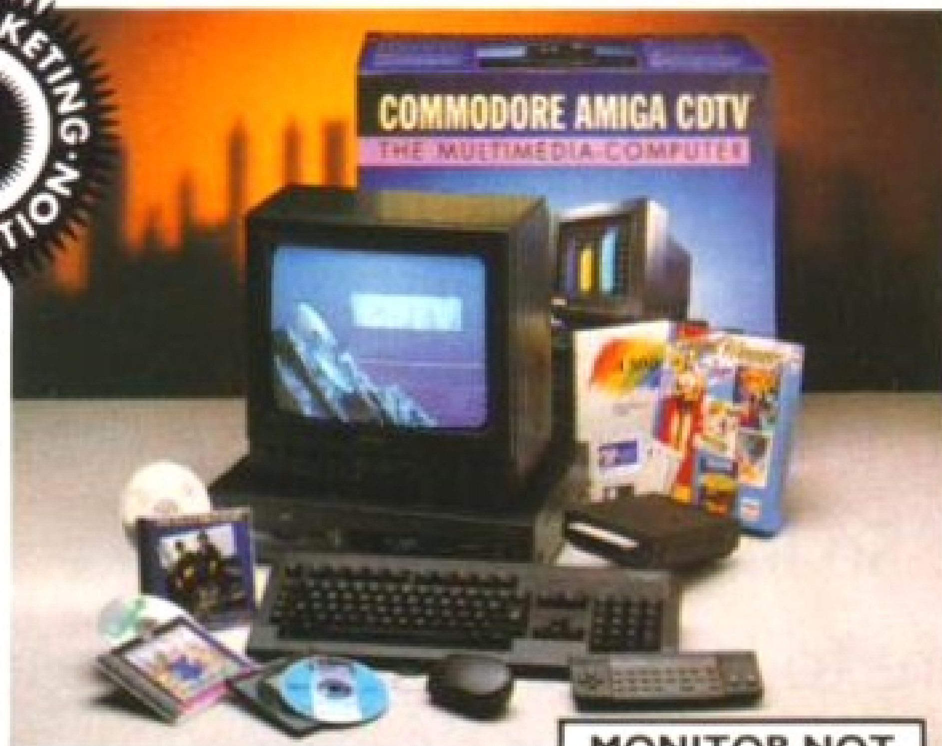
Add £2.50 carriage to all printer accessories or combinations thereof

12 MONTHS INTEREST FREE CREDIT AVAILABLE ON CDTV EXTERNAL HARD DISK SUBJECT TO STATUS. LOW INTEREST CREDIT AVAILABLE ON ALL ORDERS OVER £200

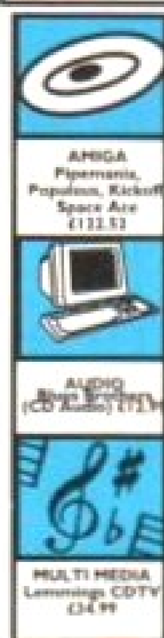


AMIGA CDTV THE MULTIMEDIA COMPUTER TOTAL HOME ENTERTAINMENT SYSTEM





MONITOR NOT INCLUDED



The problem with any new product is that it always takes time for everyone to realise its full potential.

CDTV is no exception and in our opinion everything we have read does a pretty poor job of explaining just what CDTV can do and why it is so exciting.

THE INDI GUIDE TO CDTV

IT'S A CDTV PLAYER - Yes, it will play all your Primal Scream, Paverotti, Pink Floyd and any other CD you care to mention in superb high quality stereo, with infra red remote control.

IT' AN AMIGA - Plug in the keyboard, switch on the external disk drive and the colossal range of inexpensive Amiga Software can be used on CDTV.

IT'S A MULTIMEDIA SYSTEM - Just imagine, stereo sound, images and text all on screen. It asks a question, you respond, it responds - truly interactive! Each CD disk holds hundreds of megabytes of data with instant optical access. The whole of Hutchinsons encyclopeadia fits on to one disk. This interactive system is a unique aid for Education, Business or Leisure. The future is here!

PACK CONTENTS AS STANDARD * Amiga CDTV Player * CDTV Keyboard * CDTV 1411 3.5" Disk Drive * CDTV Infra Red Remote Controller * CDTV Wired Mouse * CDTV Welcome Disk * Manuals * Fred Fish CDTV Disk

INDI VALUE ADDED FREE * Lemmings CDTV (£34.99)
* Blues Brothers (£12.99)
* Pipemania, Populous, Kickoff 2, Space Ace.

INDI PRICE

PACK AS SHOWN £329.99

PRICE CRASH ~~£399.99~~

MULTI MEDIA PACK WITHOUT INDI VALUE ADDED £329.99

CDTV CONNECTS DIRECTLY TO YOUR TV SET

AMIGA CDTV ACCESSORIES



THE BRICK - ETTE
Just plug in the brick - ette and use any wired Amiga compatible joystick, mouse of trackball device on the Commodore CDTCV. The built - in 8 - bit Micro Processor gives the Brick - ette big smarts in a tiny package and makes it easy to use just plug into the remote port and it is ready to go with real time mouse or joystick movement on your CDTV. No loading of driver programs or software. No switches for mouse or joystick. Special settings (with mouse) allow you to blast away with with three rapid fire modes & dual fire buttons. Comes complete with Python Micro switched joystick.
INDI EXCLUSIVE £49.99
WIth two joysticks **£59.99**



BLACK 1048S MONITOR
At last the CDTV Monitor you have been waiting for. The original and best selling colour/ stereo monitor from Commodore is now available in black to complement your CDTV
INDI PRICE £189.99
(or £179.99 when purchased with CDTV Multi Media pack



If you are thinking of buying CDTV or already own one you'll be pleased to know that INDI stock all CDTV accessories and software that are available from manufactures. We believe in CDTV and we therefore continue to support this exciting product. You will always have a source of product for your CDTV from INDI.

L to R

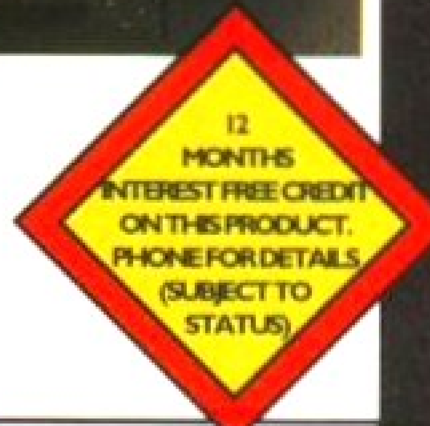
CDTV Encore SCSI Controller + Internal Mount	£109.99
CDTV Internal Genlock	£149.99
Black 1084S Colour Stereo Monitor	£189.99
(When purchased with CDTV Multi - Media Pack)	£179.99
CDTV Remote Mouse	£49.99
Scart TV / Monitor Lead	£14.99
(inc Stereo Phono Lead)	
Megachip - 1Mb Upgrade Chip RAM Upgrade for CDTV	£159.99
CDTV Trackball	£69.99

AMIGA CDTV EXTERNAL HARD DISK DRIVE

You've got the CDTV, you've got the keyboard and the floppy disk drive - for a total computer solution all that's needed is an ultra fast hard disk drive.
The CDTV - HD unit boasts a massive 85 Mb of hard disk storage with lightning fast access times through its SCSI interface. The unit comes complete with Workbench 1.3 and all necessary cables.



INDI PRICE
£299.99



AMIGA CDTV SOFTWARE

SEE THE JAKKI BRAMBLES PAGE FOR DETAILS OF THE INDI SOFTWARE CLUB

ARTS AND LEISURE	
Advanced Military Systems	£29.99
Women in Motion	£29.99
Guinness Disc of Records	£34.99
Animals in Motion	£29.99
Connoisseur Fine Arts	£34.99
Fruits & Vegetables	£34.99
Trees & Shrubs	£34.99
Garden Plants	£34.99
Indoor Plants	£34.99
EDUCATION	
Fun School - Under 5's	£24.99
A long Hard Day at the Ranch	£34.99
A Bun for Barney	£29.99
Cinderella	£39.99
Fun School for 6 to 7	£24.99
Fun School for Over 7's	£24.99
Heather Hits her First Home Run	£34.99
LTV - English as a 2nd Language	£34.99
Mind Run	£29.99
Mud Puddle	£34.99
My Paint	£29.99
North Polar Expedition	£49.99
Paper Bag Princess	£34.99
Scary Poems for Rotten Kids	£39.99
Tale of Benjamin Bunny	£39.99
Tale of Peter Rabbit	£39.99
Thomas 's Snowsuit	£34.99
Moving Gives me Stomach Ache	£34.99
Barney Bear Goes Camping	£29.99
Asterix English for French I	£34.99
Japan World (PAL)	£49.99
NASA, the 25th Year	£19.99
Fractal Universe	£34.99
ENTERTAINMENT	
Battlechess	£39.99
Battle Storm	£29.99
Fred Fish (CD PD1)	£19.99
All Dogs Go To Heaven:Electric Crayon	£34.99
Ultimate Basketball	£29.99
Classic Board Games	£34.99
Dinosaurs for Hire	£14.99
Hounds of the Baskevilles	£29.99
Psycho Killer	£29.99
Sherlock Holmes	
Consulting Detective	£39.99
Sim City	£29.99
Trivial Pursuit (PAL)	£49.99
Wrath of the Demon	£29.99
Team Yankee	£34.99
Raffles	£34.99
Prehistorik	£34.99
Snoopy	£34.99
Town with No Name	£29.99
Lemmings £34.99	
European Space Simulator	£34.99
Fantastic Voyage	£34.99
Global Chaos	£29.99
Turrican I	£29.99
Turrican II	£29.99
Guy Spy	£29.99
Cover Girl Poker	£24.99
Logical	£25.99
Prey	£34.99
Curse of Ra	£24.99
Space Wars	£29.99
MUSIC	
Music Maker	£34.99
Remix	£29.99
Karaoke Fun Hits I	£14.99
Voicemaster + Microphone	£39.99
Voice FX	£19.99
REFERENCE	
American Heritage Dictionary	£49.99
Complete Works of Shakespeare	£29.99
Illustrated Holy Bible	£29.99
New Basic Electronic Cookbook	£39.99
Timetable of Business	£39.99
Timetable of Science	£39.99
World Vista Atlas	£54.99
Dr Wellman	£54.99

TEL 0543 419999 FAX 0543 418079

DESPATCH

All orders received by 6pm Monday to Friday are despatched sameday for delivery using our national courier - Securicor. (UK Mainland only). Saturday deliveries are available at a small surcharge. If you are out when we deliver, a card will be left at your home giving you a contact telephone number to arrange a convenient re - delivery.
Delivery queries can be resolved immediately using our on - line computer.
Cheque orders are despatched immediately on cheque clearance, usually 10 working days from receipt. A delivery charge of £5.00 is made per item unless otherwise stated.
WE ALSO ACCEPT B.F.P.O. ORDERS (DUTY FREE) CARRIAGE CHARGE AT UK POSTAL RATES.

HOW TO ORDER

BY POST - Simply fill in the coupon below.
BY PHONE - phone lines open9.00am - 7.00pm Mon - Fri. 9.00am - 4.30pm Sat. - where your call will be answered by one of our INDI sales team. After 7.00pm each day your call will be answered by answerphone. If you would like to place an order have all the details at hand including credit card. All offers subject to availability. Prices correct at time of going to press. May we suggest you call before ordering.

SEND YOUR ORDER TO:

INDI DIRECT MAIL
1 RINGWAY INDUSTRIAL ESTATE,
EASTERN AVENUE,
LICHFIELD
STAFFS. WS13 7SF

A 0793

Please send........................
1)........................
2)........................
3)........................
4)........................

Price........................ + Delivery.

I enclose cheque/ PO for £........
or charge my Access/ Visa No........
....

Expiry..../..../....

Signature........................

Name........................

Address........................
....
....
....

Deliver to if different........................
....
....
....

Daytime Tel........................

Postcode........................

Chart busters

Desert Strike

Reviewed *AF46* – 87%

Electronic Arts ■ 0753 549442



OK, you've bought this game from Electronic Arts, but it's a little difficult. Here's an easy way out courtesy of Simon Green of St Albans (drawn out of a hat containing hundreds of similar entries we received!). Go to the Access Code screen, and enter TQQQLOM for five lives, or BQQQAEZ for 10 lives. Now either begin the first mission, or go straight back to the Access Code screen and type in one of the following codes to skip to other levels:

Note: the password system records the current level of ammunition, fuel and so on. The passwords should give you enough provisions to get through the chosen level.

LEVEL CODES:

CAMPAIGN	TITLE	CODE
2	Scud Buster	LQJAQRJ
3	Embassy City	TLJJOAQ
4	Nuclear Storm	JTEKOMK

Graham Gooch Cricket

Reviewed *AF47* – 78%

Audiogenic ■ 081-424 2244

Some hints for you directly from Audiogenic...

- Don't always bowl at the fastest possible speed; a slower ball may fool the batsman.
- If you've never seen it rain, check out the name of the main file on the program disk. It should be something like: '130593.AG' – if you've got an earlier date, return your disk to Audiogenic for a free update.
- Right-handed computer batsmen seem to be weaker on the off-side.
- The straight-drive can be the most effective stroke, but make sure you don't edge the ball to the slips.
- Don't forget to vary the position of the wicket-keeper to suit the speed of the bowler.
- Connect your Amiga to your VCR and you can create your own Action Replays. You could even leave the game running in computer vs computer mode when you go out, then rewind the tape to see the highlights.

Championship Manager '93

Reviewed *AF46* – 87%

Electronic Arts ■ 0753 549442

Some handy hints from Oliver Collier of Intelek...

MATCH TACTICS:

- A strong midfield is essential – look at match stats screen to see how midfield is faring.
- Try to adjust formation to combat your opponents.
- Don't ask your player to play a too advanced style of football.

TRANSFER MARKET

- When in lower divisions, look for bargains. Experience is very useful. Don't spend all your cash on one player, buy several older players to get you out of the division.
- Don't base everything on a player's history. He may have had bad seasons due to injury or playing in a poor team.
- Try to keep your players under contract. The longer a contract is, the more he is worth.
- Use the scout reports. Pay attention to the last five ratings.
- Player loans. Don't rely too heavily on loaned players, because they won't be able to play in cup competitions.

PRE-SEASON

- Even if you think you know your best team, try as many players as possible in pre-season. Arrange friendlies against mixed oppositions, so you know the team's weaknesses.

INJURIES

- Insure your best players against injuries, and rehabilitate them when they face a long lay-off.

GameB

Love 'em or hate 'em, there's nothing worse than being stuck on them. So luckily kind people like **Andy Nuttall** are here to help you through those parts of a game you can't normally reach…

Sink or Swim

Reviewed *AF47* – 73%

Zeppelin ■ 091-385 7755

Here are all the level codes for Zeppelin's cute aquatic puzzler:

2	BISHOPSMOVE
3	PATSY4KERMIT
4	HOWNOWPOWWOW
5	RINGWORLD
6	TROUGHTON
7	REDPLANET
8	MEGALITHIC
9	MYBREAKFAST
10	TINNYBOPPERS
11	LOCKSALORDY
12	HALLOWEENVII
13	NEWMODELARMY
14	TIMEPIECE
15	LARRYNIVEN
16	KILLERWHALE
17	BLUEHORIZON
18	ARNIESMUM
19	LOGOPOLIS
20	DOCTORWHO
21	MRJONESPUPPY
22	HYPERSPACE
23	ROBERTSMITH
24	WHOWHYWHEN
25	SOCKATTACK
26	WELLINEVER
27	MRPOTATOMAN
28	JOSIEWHALES
29	SOBRIETYCITY
30	WHERESMEBEER
31	HORSEFACE
32	GINASDINER
33	CHICKENFEED
34	CARROTCAKE
35	STRENGTH
36	NEEDLEMATCH
37	YUMCHOCDROPS
38	RADION90210
39	MISTLETOE
40	INDIANAJONES
41	AUNTIEJILLY
42	BEVERLYHILLS
43	JIMBOBSFEET
44	JAKOVONLUNA7
45	CHUCKYCHEEKS
46	LINFORDSHOUR
47	WONDERSTUFF
48	WITCHINGHOUR
49	ANEWMACHINE
50	GENERALALERT
51	UNBEARABLE
52	HAVEYOUGOTIT
53	KILLERFISH
54	THEHOLYGRAIL
55	BADBADKARMA
56	RUTHERFORD
57	WIZZBANGPLOP
58	SKYSTHELIMIT
59	NEXTPASSWORD
60	FIELDSOFDOOM

Thanks for these codes goes out to Thomas Jenkinson of Barnsley, who wins a copy of Psygnosis' cunning puzzle/platformer *Lemmings 2* for his effort.

WALKER

Reviewed *AF46*, 81%

Psygnosis ■ 051-709 5755



Walkers have a problem with overheating – a bit like Y reg Maestros really.

To counter the gun's habit of overheating while you are under attack, connect an autofire joystick to the Amiga's second joystick port. Switch the autofire on, and (assuming the autofire is roughly the same rate as the Zipstick's) the guns will practically never overheat. They will fire a little slower than they normally do, however, but at least they are constant.

Stelios Kalogreades
Limassol, Cyprus

A-Train

WINNING TIP!

Reviewed AF45 – 84%

Ocean ■ 061-832 6633

Finding the going a little difficult? Leaves on the line? Try these handy hints…



These tips should help you get maximum efficiency from your railway.

One trick is to build a non-destination train, along with a station and track. The idea is the train leaves the station and travels one block before returning. Although no ticket revenue is made, the station registers many passengers. The operating loss may be more than offset by the benefits of increased

usters

WIN A GAME FROM PSYGNOSIS!



The people behind such great games as *Lemmings* and *Shadow of the Beast* – Psygnosis – are now sponsoring GameBusters. This means that if you send in a tip you have the chance of winning any Psygnosis game. And if you don't want a game you can choose an *AF* mail order voucher instead. So send in those tips, maps and cheats and state which game you would like.

MEGA-LO-MANIA

Reviewed *AF*26 – 91% Sensible Software ■ 0354 51934



It's an oldie but a goodie, and now you can enjoy it in its entirety on an A1200.

If anyone has recently splashed out on an A1200, and you have found that *Mega-Lo-Mania* won't work properly, turn the speech off before you run the game. You should now find that the game will run perfectly (but without speech, obviously!)

James Wright
St Albans

Humans – Jurassic Levels

Reviewed *AF*47 – 72%, Mirage ■ 0260 299909

01	DARWIN	19	LEOPARD	37	TRADER	59	JUST TAKE 5
02	DOOM	20	ALAN B STARD	38	SCARY MAN	60	HAVE A BREAK
03	SPYDER	21	DANNEEE	39	BOILED EGGS	61	3 NEGATIVES
04	480	22	LOOWEEZ	40	NEED MORE	62	GIMME SHELTER
05	BILLS	23	KATIEWOOH	41	TURBO NUTTER	63	BLOAT ON
06	BROKE AGAIN	24	RADCLIFFE	42	ITD BE OKAY	64	STAGGER HOME
07	OUR SHELF	25	IDONTLIKEBRAWN	43	IF THE FIRST	65	I LOVE ME
08	NO SUPPORT	26	GILL NGEDS	44	LOT HADNT BEEN	66	WHO DYOU LOVE
09	MR PARROT	27	HOW MUCH	45	PUBLISHED	67	AAAAAARGH
10	7 MILE WALK	28	THE SLOBS	46	POUCH	68	SOS
11	BLIZARD	29	MRS T	47	WHINGEING	69	LUCIFERS CHILD
12	MINI EGGS	30	ALMANBURIE	48	SAD BOYS	70	PYTHON LEE
13	KEEF	31	GALLOWS FIELD	49	CRAMP	71	QUANTUM LEAP
14	WORLDOFOUROWN	32	PLAGUE PIT	50	GLUM	72	SISTER BLUE
15	ITS TOSH	33	CANDLESTICKS	51	HASSLED	73	ARIES
16	BESTEST BUDS	34	BROWN SUGAR	52	GOLD LABEL	74	TAURUS
17	00 CHILDREN	35	BABBLE	53	POULTRY GOOSE	75	FATEANDFORTUNE
18	BLUE STUFF	36	BLATHER	54	KATE4LOUISE0	76	DOES IT MATTER
				55	DRAKEER	77	WHAT WE PUT
				56	SOURFACE	78	THIS IS IT
				57	LURCH	79	SEE YA
				58	ENDOSCOPY	80	FOREVER

BEAVERS

Reviewed *AF*47 – 75%
Grandslam ■ 081-680 7044



A platform game with beavers as the central characters. Yes, beavers.

While playing, type BIGGIGBIB, then press F2 to skip up a level. Pressing the spacebar enables you to jaunt Jethro anywhere in the level - also, try holding the joystick button down to move more quickly.

growth around the station from the passengers. Try clicking on the stadium once it has been built, you should see a message appear – it makes amusing reading!

- Here are a few interesting dates for special events that occur during the game:
- Feb 29 – leap year (every four years).
- April 5 & 6 – birds migrate north.
- July 7 – a UFO flies from the north east to the south.
- All Saturdays in August – Amusement park firework show (8pm).
- October 1 or 2 – Birds migrate south.
- December 23/24 – Santa rides his sledge from north to south (10pm-1am).

The crossroads are apowerful development tool, they create a strong subsidiary growth around them. Also speed up growth by clearing land with trees on it, and then reselling, because this increases the rate at which houses are built around your station.

Build factories in line one behind, or one in front, of the other for maximum efficiency. Stock markets can be predicted and once every 1-2 years there is a boom in which prices skyrocket, before falling back down.

Stuart Hawes from Norfolk wins a copy of *Lemmings 2* for these tips.

LIONHEART

Reviewed *AF*45 87%
Thalion ■ 021-442 2050



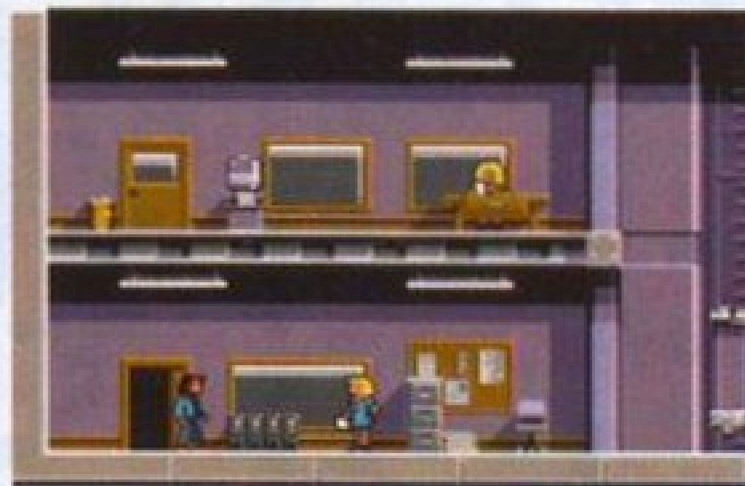
If you want to know a secret then read this tip and promise not to tell.

As well as the secret rooms mentioned in AF47, there is also this one:
On level one, as you climb the big tree (before the hole in the tree at the end of the level) try dropping down the gap while keeping your joystick to the right. You will find yourself in another room containing nine crystals and a power-up. When you've collected them all, jump up to the tree again, and leave the level.

Warren Kershaw
Rochdale

LETHAL WEAPON

Reviewed *AF*43 – 64%
Ocean ■ 061-832 6633



Lethal Weapon – it's an OK game, and this tip will brighten it up some what.

Neil Corbett of Dorchester and Michael Gara of Bristol have discovered a way of gaining four extra lives before starting mission one. Choose your player, and walk towards the mission one door. On the floor you will see some boxes and you'll notice there's a lady standing next to them.

Stand on them, then jump on to the noticeboard which is on the other side of the lady. Move along until you are beneath the light, and just under the desk on the next floor, then push up. You will now be transported to a secret room. Here you will find a monster guarding four lives – simply jump over him to collect them. Now go through the door, and begin mission one!

Hold down the following keys for some excellent cheats:

KEYS	EFFECT
Alt, y and l	Extra life
Alt, y and f	Go flying
Alt, y and j	Invincibility
Alt, y and m	Fly with no baddies
Alt, y and n	Turn off the cheats

Abandoned Places 2

Reviewed AF45 – 87%
ICE ■ 0453 756 993

Continuing our maps for this RPG here are **ICE** to help you on your travels, starting where we left you – stranded at the end of Dwarven Mines 7…

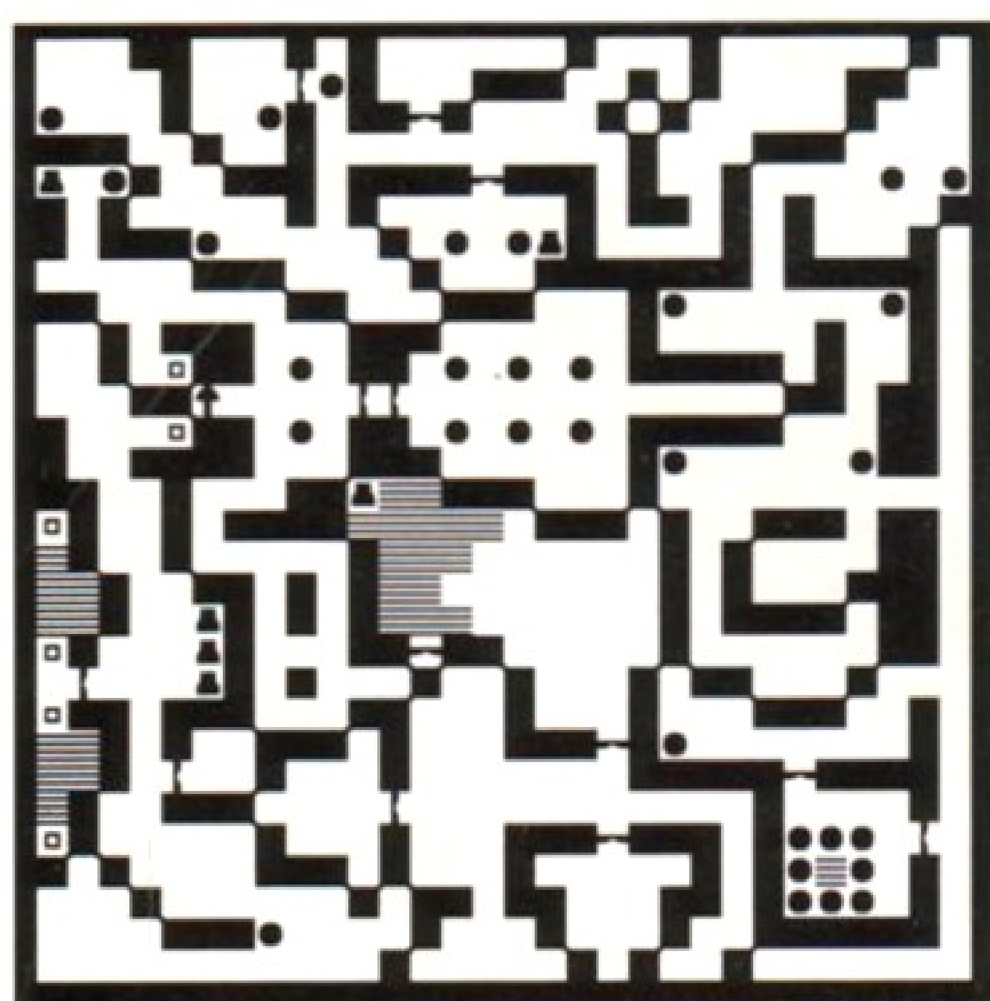
IF YOU HAVE played *AP2* using last month's tips, you may have discovered in Dwarven Mines 7 that you couldn't locate switch S3. This is because there is another switch, called S5, at location 17,5. Switch this before you switch S2, and all will be revealed.

Dwarven Mines 8



Make your way through the fire to T1 (11,14) (beginning with 0,0 as the top-left corner) which will teleport you to TD1 (22,1). Move to (2,19) and drop a torch in the fire next to you. A wall in front of you will disappear allowing you to get to dungeon 10.

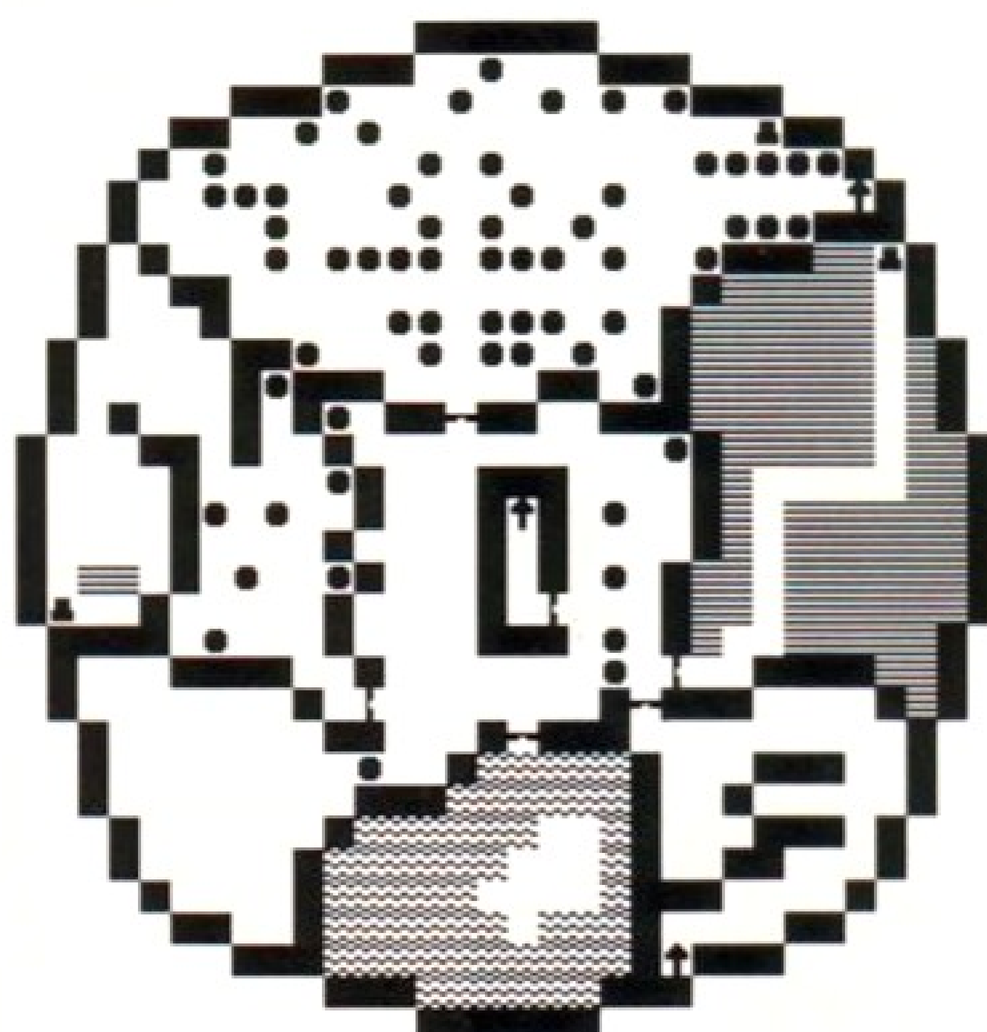
Dwarven Mines 9



Go to the pit at (5,11) which takes you to (5,13). Go T1 (12,28) which takes you to (24,30). Go to T2 (30,1) which takes you to (1,1). Use S1 (22,6) which reveals a pressure pad. Walk on the pads until you see some monsters which give you a key when they are killed. Go to T3 which will take you back to the stairs.

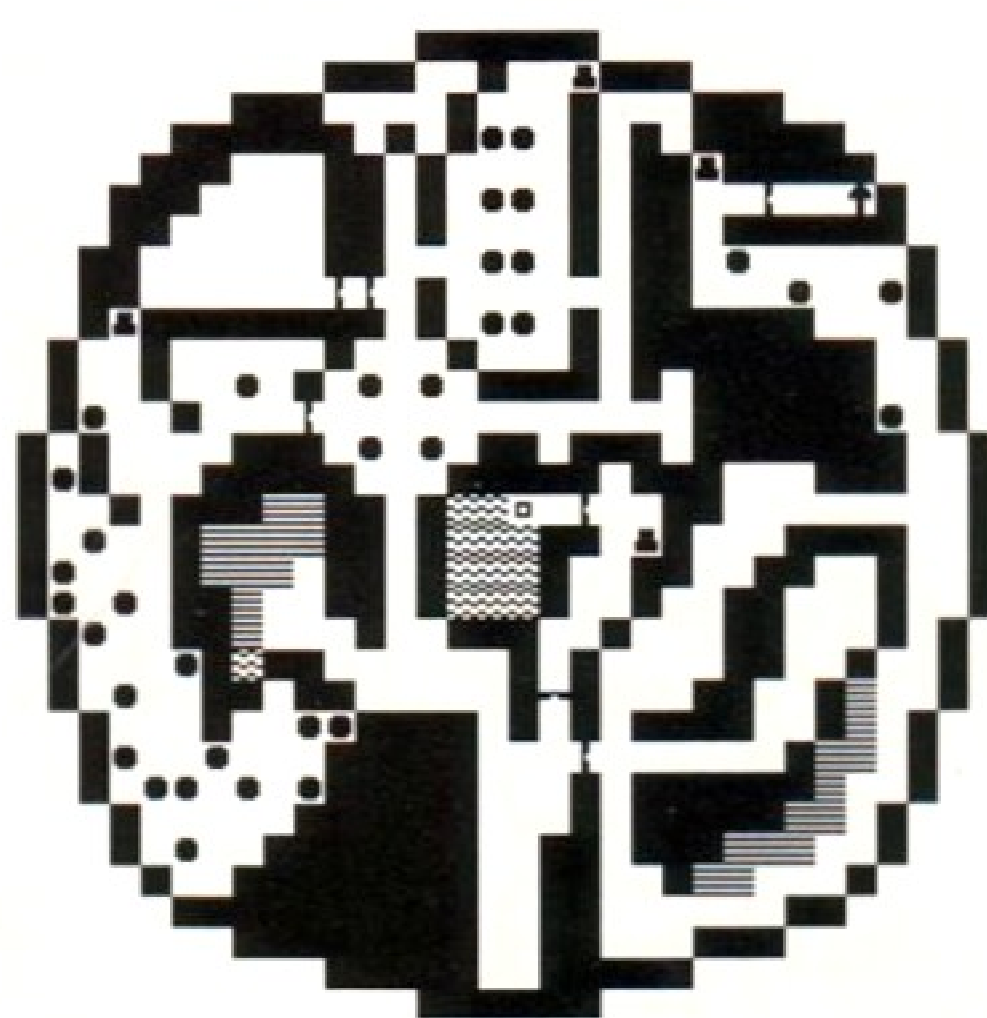
Open the door in front of you, and get the shield at (24,12). Now go back up to the outside world (this enables you to visit shops and explore new dungeons, use City Exit icons to leave the city).

The Tower Level 1



Make your way to (23,20) and face south. Use the hidden switch on the wall in front of you. This removes the pillar at (10,12) enabling you to access switch S2. This opens the door at (14,12) so that you can enter the north room. Collect the objects in the chest, and go to level 2 via the stairs.

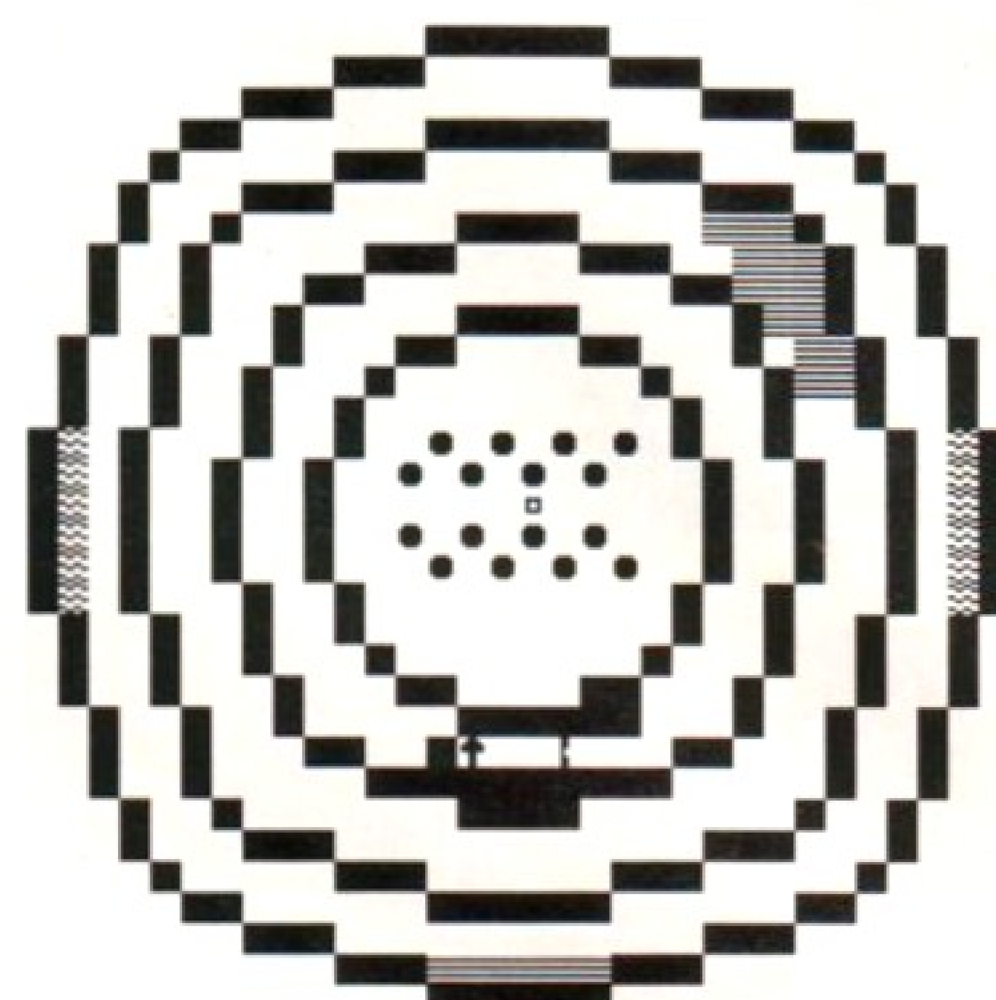
The Tower Level 2

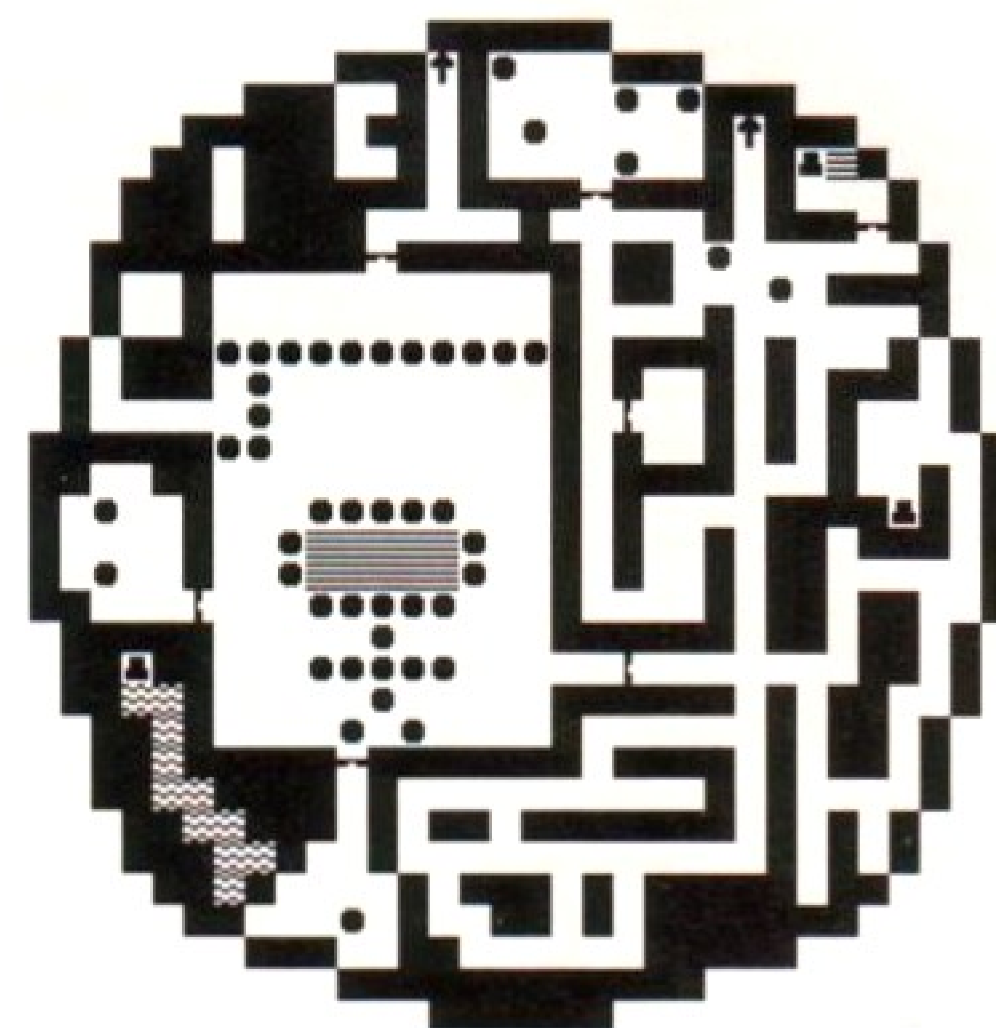


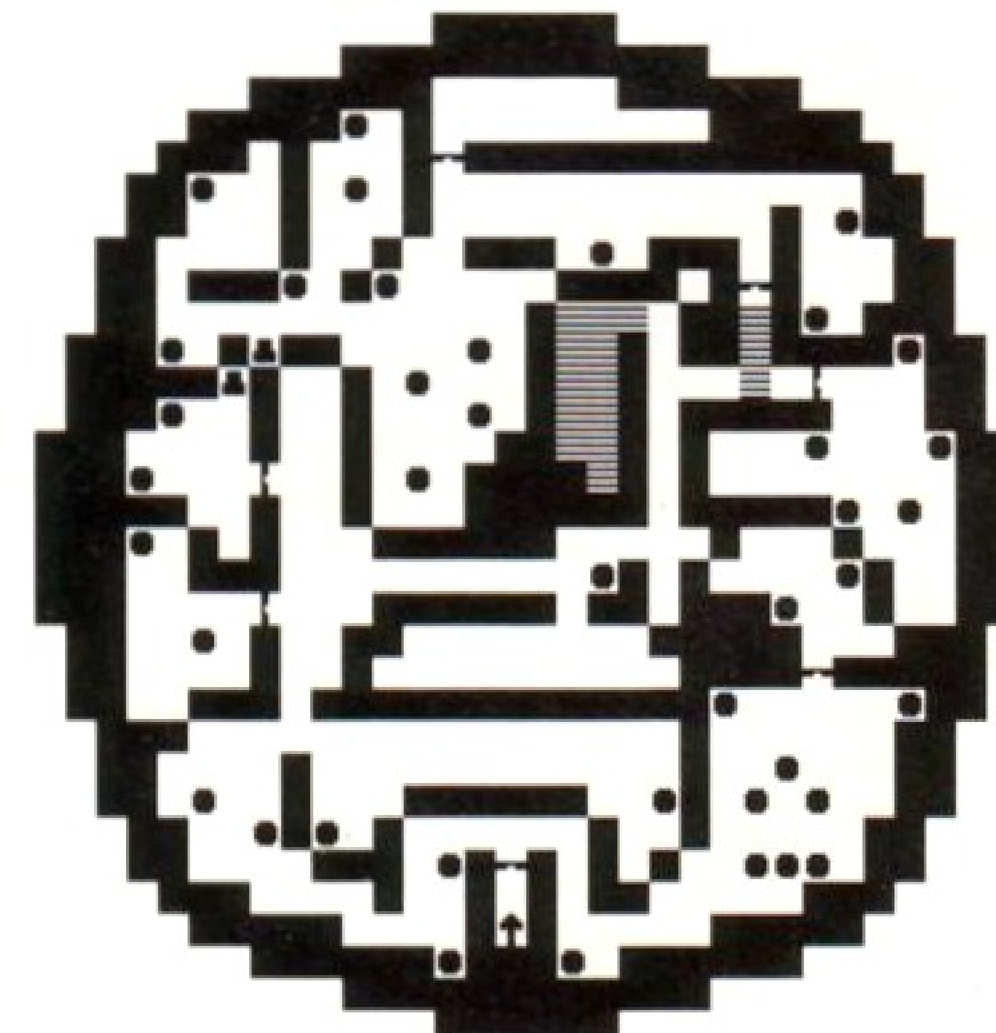
Open the locked door by using the magic sapphire. Find three more magic sapphires which open the doors leading to the pit at (16,15). Use the pit to go to level 3.

The Tower Levels 3, 4 & 5

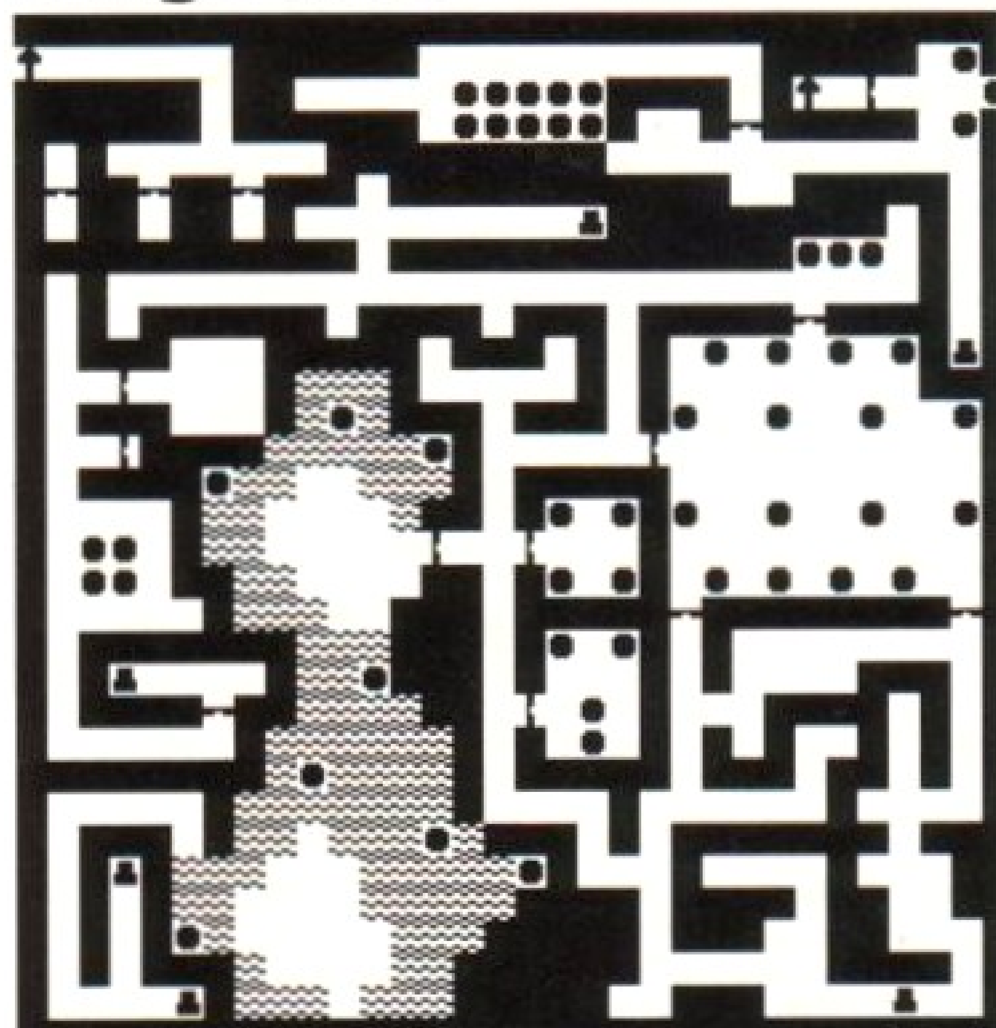
Kill the monsters and find the key at (11,19). Walk through the illusionary wall to the south, then make your way to (20,23) and levitate over a teleport T1. Open the door with the key, then go downstairs to level 4. The switches at (14,6) open the door and passage at (12,2). Levitate over the first row of switches, and use the ones at (10,9) and (12,9) which remove an object at (6,10). Cast a spell down the corridor at (2,10) to remove the object at (7,11) and go into the main room. A key is in the fire at (9,16) which opens the door at (19,20) providing access to the stair leading to Dungeon 16. This level doesn't need completing, but contains useful items. It is reached via the southern stairs in Tower Level 1. You need to place items on the pressure pad at (23,10) to open the door. If you fail, the door will shut leaving you trapped.







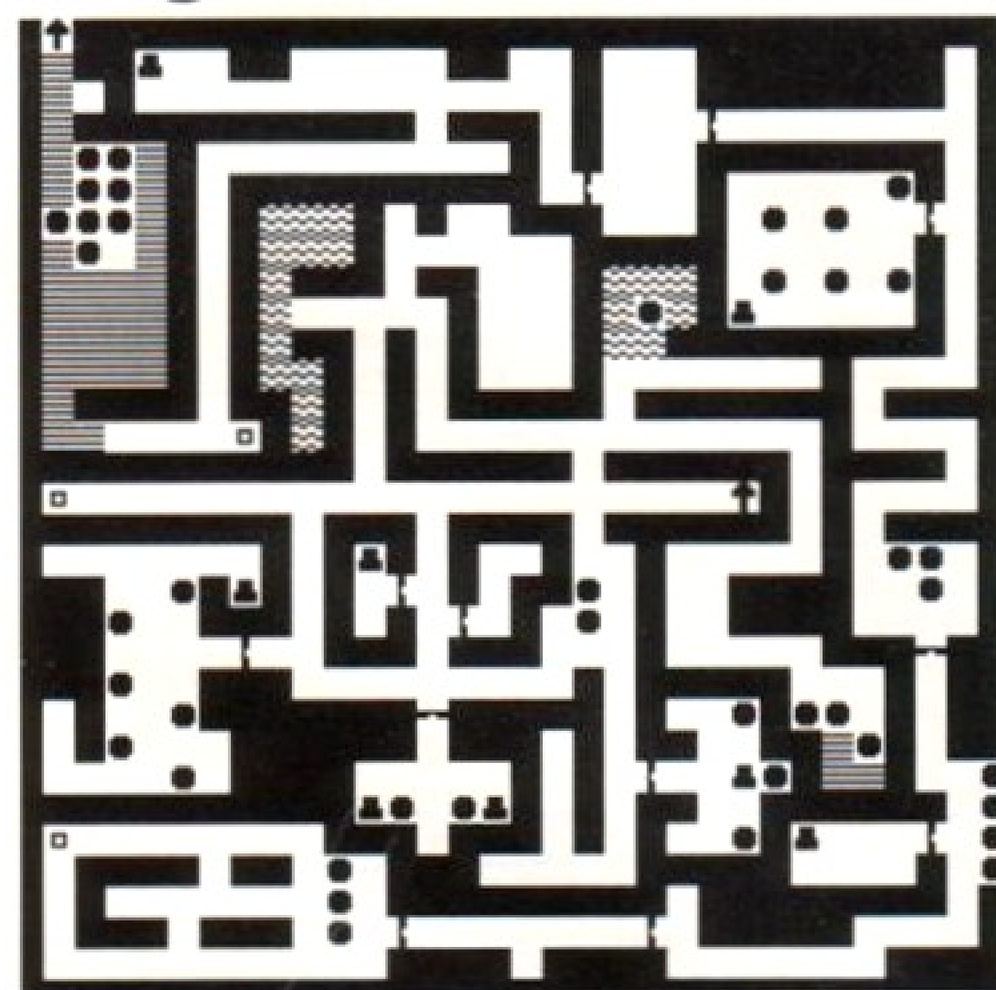
Dungeon 16



Use the switches near to the start to open the various doors and walls in this section. Use T4 (1,6) to get to TD4 (3,9).

Go to (20,28), and use a true-seeing spell to reveal the illusionary passage. Kill the monsters in the passage to get the key. Now go to (28,6) and use the teleport to get back to the start. Use T1 (7,6) which takes you to (9,2). Use the key on the door (23,3). Press S2 (21,3) which enables you to get the key at (17,2) and then go through the door at (27,2).

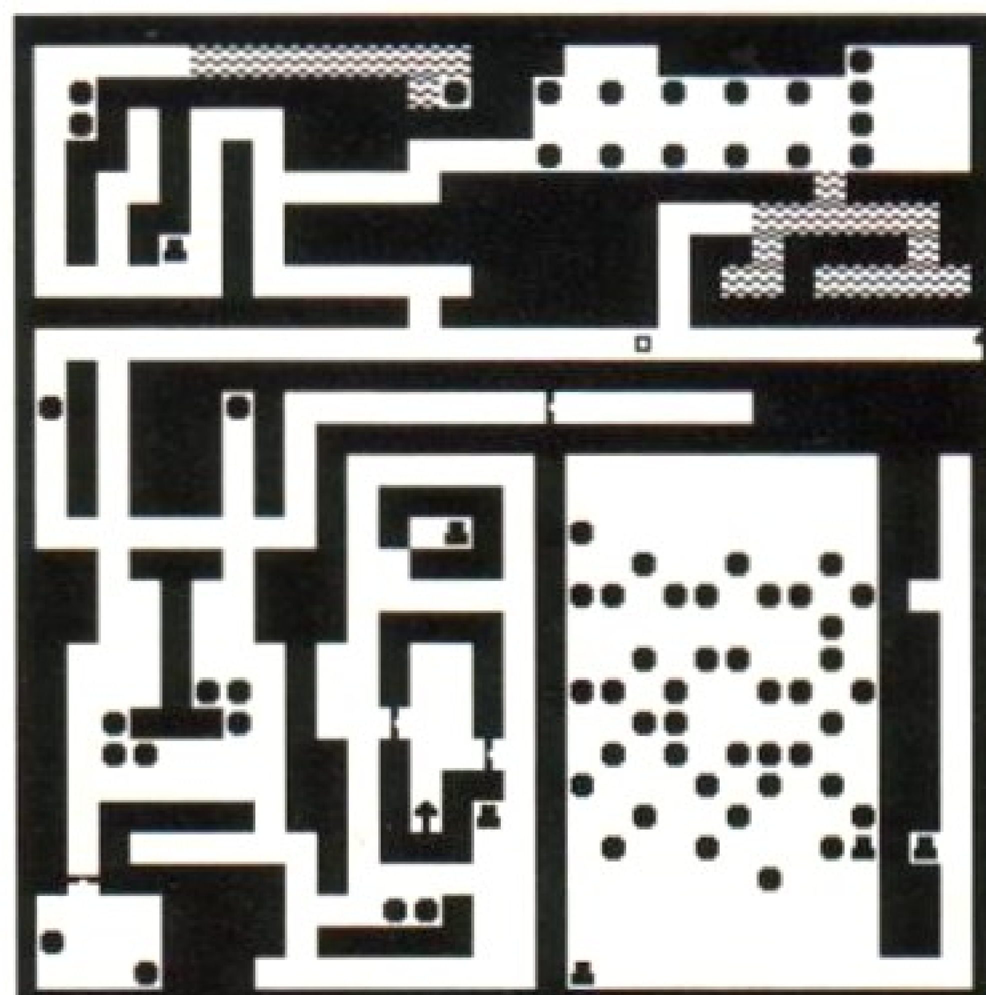
Dungeon 17



Go to (26,24), and then get the key from within the fire. Make your way to the pit at (1,15) which will take you to (1,26).

Get the feather key at (5,28) and use S1 (8,28) which will open the door at (12,29). Use the feather key at (19,29) then go around to the next door where you should use the second feather key. Now go to the pit at (7,13). Read the notes for dungeon 18 before dropping down the pit.

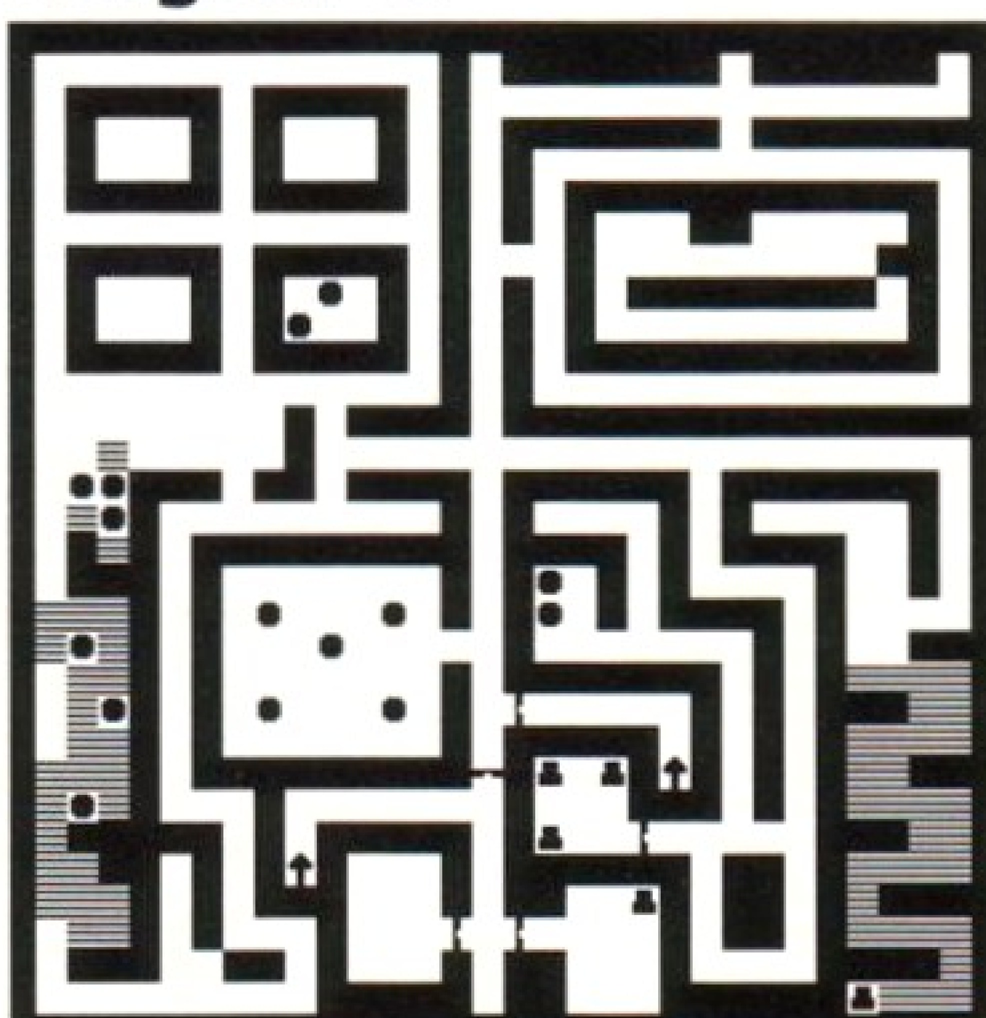
Dungeon 18



When you drop down the pit from Dungeon 17, you appear right over the pit at (20,10). You must use a levitate spell if you wish to remain here. Go to T1 (23,12) which will take you to (18,14).

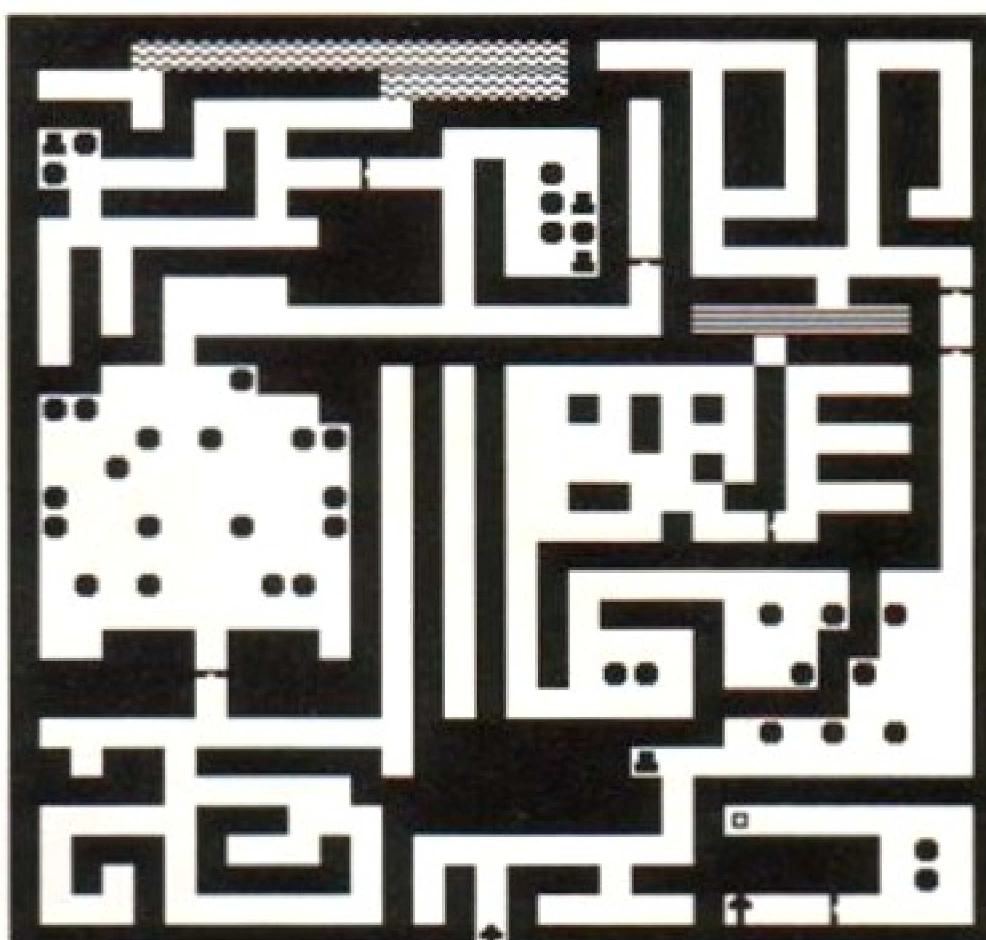
Use the various switches on the walls to get the key at (26,18). Go to T2 (30,14) which takes you to (16,23). Open the door at (11,22) using the key, and go through the stairs at (13,25). This takes you to the north-west of dungeon 17 where you will find a key. Return to dungeon 18 and use the pit at (20,10) to get to dungeon 19.

Dungeon 19



Try opening the door at (15,23) with the key that you found in the fire when you were in dungeon 17. Now go to the stairs at (9,26) which will take you to dungeon 20.

Dungeon 20



Get the key at (29,6). Go back and use S1 (27,23) which opens a wall at (23,23). Now go and open the door at (24,16) with the crystal key, and use T1 (28,13) which takes you to (14,12). Use S2 (14,16), taking you to (12,12).

Use a True Seeing spell at (2,25), revealing S3 which opens the door at (6,22). Head north and get the key from the water room at (4,3) then use it to open the door at (20,8). Use T3 at (20,3) which takes you to (30,29) where you can use the pit or stairs to reach dungeon 21.

OH NO! IT'S THE PATHETIC TIPS...

Prodata Main Menu
O - Open database
C - Catalogue files
D - Display/edit records
S - Select all
I - Invert selection
F - Filter records
P - Print menu
A - Alter/create database
U - Utilities menu
Q - Quit

What's this? A *ProData* screenshot in GameBusters. Well it is the Pathetic Tips corner.

The following letters arrived in the GameBusters postbag during the last month... "Dear Andy,

I am writing to you regarding the *Prodata* database that was on one of your Coverdisks on the February issue of the magazine.

"I have found the database very useful, helpful and fun to use. The one problem which I experienced, though, was having to wait for the disk to access every so often..." and the letter continued in this manner for a considerable amount of time. Was it a joke? Let's read on further: "...1. Boot your Workbench disk as normal. 2. Select EXECUTE COMMAND from the Workbench...". Obviously not.

So was it for Pat and Workbench or Answerfile? Er, no. The letter finished with: "If this tip is a winner, I would like *Combat Air Patrol*. Yours Sincerely, Chris Zurowski-Aiad." Good grief. Erm, Chris - I think you should go for a long lie down. Have an *AF* pin badge for trying, though.

Compared to the next letter, though, that one seems perfectly natural:



If you want some help with *Superfrog* then see last month's issue, 'cos this one's pathetic!

Dear GameBusters,

On *Superfrog*, go to the options screen, and set your options to suit your needs. Press fire to exit, then wait until the first screen appears, with the amount of points for each item that you collect. Press fire, then start your game. Superfrog will now be a lot faster than normal.

Paul Mitchell
Glasgow

Err... what substances have you been on, Paul? When you press fire to begin the game it makes no difference to Superfrog's speed. Nice try, however.

Sadly, these are all the pathetic tips we've had. What's up? Come on, keep 'em coming, people. This column needs you.

PD DiRECT

MEGABLITZ! MEGABLITZ!

THE ONE STOP SHOP FOR *AMIGA*® PUBLIC DOMAIN SOFTWARE

UTILITIES

PDU 16 AIR TUNNEL SIMULATOR (P)
PDU 32 FISH#144 ANALYTIC S/SHEET (P)
PDU 99 HAM RADIO UTILITIES (P)- 5 DISKS
PDU 101 MENU MAKER
PDU 102 LABEL DESIGNER (P)
PDU 103 ICON MAKER (P)
PDU 104 ICON MANIA (P)
PDU 106 CROSSWORD CREATOR (P)
PDU 151 FIXDISK (P)
PDU 366 IBEM - PC EMULATOR (P) SHAREWARE DEMO
PDU 367 ATARI ST EMULATOR - ENGLISH
PDU 368 ZX SPECTRUM EMULATOR
PDU 369 C64 EMULATOR
PDU 370 FLEXIBASE - DATABASE (P)
PDU 375 MED 3.20 - MUSIC ED WITH MIDI (P)
PDU 377 M-CAD - DESIGN PROG (P)
PDU 378 TRANSFORMER v3.3 - IBM EMULATOR
PDU 382 MESSYSID II - READ/WRITE PC DISKS (P)
PDU 383 SPECTRA PAINT v3.2 (P)
PDU 384 DISK MASTER v3.2 (P)
PDU 385 ELECTROCAD v1.4 - SHAREWARE DESIGN PROGRAM (P)
PDU 386 AMIGAFOX - DTP PROGRAM (P)
PDU388 600 BUSINESS LETTERS (P)
PDU 389 B-BASE II - EXCELLENT, FAST DATABASE (P)
PDU 391 FORMS REALLY UNLIMITED (P)
PDU 398 AMIBASE PROFESSIONAL 2 (P)
PDU 399 D-COPY v2.0 (P)
PDU 403 NORTH C - 2 DISKS (P)
PDU 407 OPTI UTILS #1 - GREAT! (P)
PDU 408 OPTI UTILS #2- EVEN BETTER (P)
PDU 409 GELIGNITE FONTS #1

HOME BUSINESS PACK

THIS 8 DISK PACK CONTAINS TEXT ENGINE v3.4 - WORD POCESSOR, B-BASE II DATABASE, VISICALC SPREADSHEET, DTP PROGRAM, 600 BUSINESS LETTERS, BUSINESS CARD MAKER, BANKING UTILS AND A FORMS DESIGNER (A500+/A600 compatible)

A MUST FOR HOME BUSINESS USERS !

£12.00

PDU 410 SUPERSOUND II - THIS IS THE LICENCEWARE VERSION NOW RELEASED AS PD. THE BEST SAMPLER YET! (P)
PDU 411 IMPLODER v4.0 - EXC COMPRESSION UTIL (P)
PDU 412 HARD DRIVE UTILS (P)
PDU 413 PROFESSIONAL D.COPY v 3.0 - EXCELLENT!
PDU 414 SID v2.00 -NEW VERSION OF THE BEST DIRECTORY UTILITY (P) SHAREWARE
PDU 416 NIB COPIER v2.0 - VERY POWERFUL PARAMETER DISK COPIER, BACKS UP YOUR PROTECTED DISKS
PDU 419 SUPERKILLERS v2.5 - BEST VIRUS KILLER (P)
PDU 421 OCTAMED v1.00b - FULL VERSION OF THE 8 CHANNEL MUSIC EDITOR (P)
PDU 423 BOOT INTRO CONSTRUCTION SET - CREATE CUSTOM BOOT LOADERS FOR YOUR DISKS (P)
PDU 425 AMOS UPDATER v1.34 (P)
PDU 427 PRINTER DRIVERS - STAR LC10, HP DESKJET & PAINTJET PLUS MANY OTHERS (P)
PDU 429 KING JAMES BIBLE - COMPLETE TEXT WITH SEARCH ON FOUR DISKS (P)

PDU431 DPAINT FONTS - EXCELLENT CUT'N'PASTE FONTS ON 2 DISKS (P)
PDU 433 PC-TASK - SHAREWARE PC EMULATOR (P)
PDU 435 TEXT ENGINE v3.4-BRILLIANT WORD PROCESSOR (P)

CLIP ART PACK

THIS IS AN **ALL NEW** COLLECTION OF 13 DISKS, EXCLUSIVE TO US. THEY ARE TOTALLY MENU DRIVEN, SO ARE EASY TO USE. THERE ARE OVER 1000 IMAGES IN IFF FORMAT AND ARE IDEAL FOR DPAINT OR DTP.FROM FLAGS TO FAMOUS PEOPLE AND FROM FANCY BORDERS TO VIZ CHARACTERS..........PROBABLY THE BEST CLIP ART AVAILABLE AT ANY PRICE! (A500+/A600 compatible)

ALL 13 DISKS FOR ONLY

£15.00

PDU 436 TYPING TUTOR - INCLUDES SIGN LANGUAGE TUTOR (P)
PDU 437 WORD POWER - S/WARE SPELL CHECKER (P)
PDU 438 STAR PRINTER DRIVERS - 9 & 24 PIN MONO AND COLOUR DRIVERS DIRECT FROM STAR (P)
PDU 442 FREECOPY v1.8 - RENOWNED COPIER (P)
PDU 444 FREEPAINT - ART PACKAGE WITH ANIM (P)
PDU 445 DOC DUMP- CREATES SMALL BOOKLETS FROM TEXT FILES, THE ULTIMATE PRINT UTILITY (P)

EDUCATIONAL

PDE 1 LEARN& PLAY #1 - A SUITE OF PROGRAMS FOR YOUNG CHILDREN (P)
PDE 2 LEARN & PLAY #2 (P)
PDE 3 STORYLAND 2 - SAVE TOYLAND FROM THE WITCH (P)
PDE 4 TOTAL CONCEPTS ASTRONOMY - INTERACTIVE BOOK (P)
PDE 5 TOTAL CONCEPTS DINOSOARS (P)
PDE 6 KIDSPAINT (P)
PDE 7 MR MEN STORIES - GOOD READING AID
PDE 8 SIMON SAYS & SPACE MATHS -V.GOOD (P)
PDE 9 HOORAY FOR HENRIETTA- DEMO FROM LANDER SOFTWARE (P)
PDE 10 SPELLBOUND - ANOTHER DEMO (P)
PDE 11 HENRIETTA'S BOOK OF SPELLS - DEMO (P)

RED SECTOR INC.

PDU 401 RED SECTOR DEMO MAKER - WITH DOCS
PDU 364 RSI EXTRAS #1
PDU 392 RSI EXTRAS #2
PDU 393 RSI VECTOR OBJECT EDITOR
PDU 394 RSI FONT EDITOR
PDU 395/6/7 RSI MUSIC MODULES DISKS
PDU 372 RSI VECTORBALLS EDITOR
PDU 365 TSB VECTOR DESIGNER

GAMES

PDG 1 STAR TREK-1. RICHTERS VERSION 2 DISKS (P)
PDG 2 STAR TREK - BY ERIC GUSTAVSON, 3 DISKS, REQ 2 DRIVES, VERY GOOD (P)
PDG 32 LEGEND OF FARGHAIL (P)
PDG 35 PAIR IT - EDUCATIONAL GAME (P)
PDG 46 FRUIT MACHINE, POOL & OTHERS
PDG 50 SEALANCE - SUBMARINE SIM GAME (P)
PDG 60 AIR ACE II - WWII SHOOT-EM-UP (P)
PDG 61 ELECTRIC TRAIN SET (P)
PDG 62 ZX SPECTRUM GAMES #1 INC EMULATOR
PDG 63 ZX SPECTRUM GAMES VOL 2 INC EM (P)
PDG 70 DRIP! - VERY GOOD PIPE GAME (P)
PDG 71 LLAMATRON - BY JEFF MINTER
PDG 73 TWINTRIS - THE BEST VERSION (P)
PDG 75 TANX THE GAME- ADDICTIVE GAME (P)
PDG 77 STAR TREK THE NEXT GENERATION- BY TERRY MCINTOSH HI-RES GRAPHICS (P)
PDG 83 JEOPARDY- RISK TYPE GAME (P)
PDG 86 CRAZY SUE
PDG 87 AMIGA COLUMNS - WELL REVIEWED (P)
PDG 88 REVENGE OF THE MUTANT CAMELS - BY JEFF MINTER
PDG 89 NEW STAR TREK - BY JIM BARBER, 2 DISKS
PDG 91 LEGEND OF LOTHIAN - ULTIMA TYPE ADVENTURE (P)
PDG 92 ASHIDO - ORIENTAL TILE GAME...GOOD! (P)
PDG 94 LEMMINGOIDS - LIKE ASTEROIDS !!!!NOT
PDG 95 INTERNATIONAL CRICKET - GOOD SHAREWARE GAME, VERY PLAYABLE (P)

GAMES PACK

THIS **NEW** 12 DISK PACK HAS ALL OF THE LATEST AND BEST PD GAMES. THEY ARE EASY TO USE AND VERY GOOD QUALITY
ALL ARE COMPATIBLE WITH A500+/A600

A MUST FOR ALL GAMERS!

£15.00

PDG 102 TOTAL WAR - STRATEGY GAME (P)
PDG 104 E-TYPE - THE DEFINITIVE ASTEROIDS (P)
PDG 105 MANIA SHOOT SADDAM & THE IRAQUI ARMY (P)
PDG 106 AIRPORT - ATC SIMULATOR (P)

WE NOW STOCK ALL OF THE ASSASSINS GAME DISKS THEY ARE WELL PRESENTED, EASY TO USE AND CONTAIN ALL OF THE LATEST AND BEST PD GAMES...GREAT VALUE ...TAKE A LOOK!

PDG 109 ASI#1 - TANX, ROLLERPEDE, AMIGOIDS, CAVE RUNNER, AVATRIS
PDG 111 ASI#3 - MEGA BALL, DRIP! (P)
PDG 112 ASI#4 - JUMPER, GOMOKU, CRACKER, JUMPY , TURBO DUEL, KLONDYKE (P)
PDG 113 ASI#5 - GO LOOLY, RETALIATOR, RAID (P)
PDG 114 ASI#6 - DOWNHILL CHALLENGE, PACMAN '87, METAGALACTIC LLAMAS,WELLTRIX
PDG 115 ASI#7 - DESTINATION MOONBASE, TRIX, NIGHTWORKS, CLOUD RUNNER
PDU 116 ASI#8-AIR ACE II, H-BALL, NUMBER FUMBLER, SNAKE PIT
PDG 118 ASI#10- PICKOUT , ESCAPE, SYS, PIPELINE (P)
PDG 119 ASI#11 - DAD, CONNEX, TOWERS OF HANOI, REVERSI, TRIPPIN' (P)
PDG 120 ASI#12 - CAR, LLAMATRON,POWER PONG, XFI
PDG 121 ASI#13 - BALL, ASTEROIDS, TWINTRIS, BLOCK-IT, SQUAMBLE, AMIGATRATION (P)
PDG 122 ASI#14 - CHINA CHALLENGE II, AMIGA COLUMNS (P)

ASSASSINS PACK

THIS IS A **NEW** COLLECTION OF THE FIRST 35 ASI GAMES DISKS. THERE ARE OVER 100 GAMES. ALL MENU DRIVEN....VERY EASY TO USE.... IDEAL FOR THE KIDS

ALL 35 DISKS FOR ONLY.........

£34.95

PDG 123 ASI#15 - BATTLE CARS, MAMBA MOVE
PDG 124 ASI#16 - PACMAN, WASTELANDS, DILEMMA, MISSION-X (P)
PDG 125 ASI#17 - JETMAN, DEFENDA, TOMCAT, BUGBLASTER (P)
PDG 126 ASI#18 - OMEGA RACE, SKY FLYER, HENRY IN PANIC, MEGATRON
PDG 128 ASI#20 - AMOS COIN DROP, MICROBES,HOLLYWOOD TRIVIA, MATCH PATCH (P)
PDG 129 ASI#21 - ZUES, TETTRIX, TILES, BATTLEMENTS
PDG 130 ASI#22 - LEMMINGOIDS,DUEL, MOUTH MAN, WIZZY'S QUEST (P)
PDG 132 ASI#24 - REVENGE OF THE MUTANT CAMELS, NEBULA, CROAK, 3D MAZE, DUX (P)
PDG 133 ASI#25 - E-TYPE, ASTEROIDS, HEMROIDS, COPPER, MR WOBBLY, MR BRICK (P)
PDG 134 ASI#26 - SUPER PACMAN '92, SMASH TV, ASHIDO, BALLY III, SYSTEM IV
PDG 144 ASI#36- WONDERLAND, SUB ATTACK, MOTHER LODE, TACTIX, DONKEY KONG (P)
PDG 145 ASI#37 - KLAKTRIS, PACCER, POD, GHOST SHIP (P)
PDG 146 ASI#38 - ONE ON ONE, SKYFLYER 2, BALDY, TRANSPLANT,(P)

GAMES CONTINUED..

PDG 136 ASI#28 - DOODY, DR MARIO, INVADER II, FLAG CATCHER, MAD BOMBER (P)
PDG 137 ASI#29 - DOG, ROME, NOVA, BRIDGE BALL, ATTACKS, QUADRIX (P)
PDG 138 ASI#30 - CHROME, TANK ATTACK, TOTAL FIRE, BOUNCE'N'BLAST (P)
PDG 139 ASI#31 - ISHID-O-MATIC, CRAZY PIPES, ARAZMAX, REVOLUTION (P)
PDG 140 ASI#32 - BLOB, FIRE FIGHTER, SEC ONE (P)
PDG 141 ASI#33 - TOTAL WAR, HYPERBALL (P)
PDG 142 ASI#34 - TRAIL BLAZER, Q-BIX, RUSH HR (P)
PDG 143 ASI#35 - PONG,SNAKE PIT,JUMP &ROLL,CYBERNETIX (P)
PDG 147 ASI#39 - NEW CARD GAMES (P)
PDG 148 ASI#40 - PUZZLE COLLECTION (P)
PDG 149 MINE SWEEPER - SIMILAR TO WINDOWS VERSION (P)

DEMOS

PDD 1 ANARCHY DEMO
PDD 7 ELVIRA DEMO
PDD 16 ROBOCOP DEMO (P)
PDD 31 ANRCHY "OOH! IT'S OBSCENE 3"
PDD 72 RED SECTOR DEMO #4
PDD 76 SCOOPEX MEGA DEMO (P)
PDD 97 PREDATORS MEGADEMO (P) 2 DISKS
PDD 98 SAFE SEX DEMO (P)
PDD 107 BUDBRAIN #1 - 2 DISKS (P)
PDD 130 CHUBBY BROWN DEMO (P)
PDD 153 BILLY CONNOLLY DEMO - 2 DISKS (P)
PDD 160 HATRICK -"RAVE ON"
PDD 177 BUDBRAIN 2
PDD 287 PHENOMENA ENIGMA (P)
PDD 288 PHENOMENA TERMINATOR
PDD 311 ODDESSEY - BY ALCATRAZ ... NEARLY AN HOUR OF BLISTERING VECTOR MOVIE WITH BRILLIANT SOUND (5 DISKS)
PDD 312 HARDWIRED BY CRIONICS/SILENTS (2DISKS)
PDD 313 VOYAGE - RAZOR 1911 (P)
PDD 314 RED SECTOR "TIME ZONE" (P)
PDD 315 ENJOY THE SILENTS (P)
PDD 316 DIGITAL INNOVATION - 26 MINS LONG ! (P)
PDD 317 SYSTEM VIOLATION - BY ANARCHY (P)
PDD 318 JESUS ON E's - SUPERB!!! (P) 2 DISKS
PDD 319 ANARCHY "IN THE KITCHEN..." (P)

ANIMATIONS

PDA 12 STAR TREK - AGATRON #2 (P)
PDA 13 STAR TREK - AGATRON #17
PDA 5 MOONWALKER
PDA 54 NASA GRAPHICS
PDA 80 WALKER II - 2 DISKS, 2MB REQD (P)
PDA 82 AGATRON "ENTERPRISE LEAVING DOCK" (P)
PDA 123 STEALTHY MANOEUVERS -BY ERIC SCHWARTZ (P)
PDA 306 ANTI LEMMIN' DEMO - 2 DISKS 2MB (P)
PDA 134 THE DATING GAME - 2 DISKS 3MB (P)
PDA 135 BUZZED - RAY TRACED, 3 DISKS, 3MB (P)
PDA 136 AT THE MOVIES II - BRILLIANT! 4 DISKS, WORKS WITH 1MB BUT MORE MEMORY THE BETTER (P)
PDA 138 AT THE BEACH -SCHWARTZ 3MB, 2 DSK (P)
PDA 139 UNSPORTING - EXC. AEROTOON 2MB (P)
PDA 142 GULF CONFLICT - SUPERB! 2MB(P)
PDA 143 SWEET REVENGE - WILE. E COYOTE GETS THE DROP ON ROAD RUNNER....... 1.5MB REQD (P)
PDA 144 HOW TO RUN / COYOTE 2 -SCHWARTZ (P)
PDA 145 AMY WALKS/ AMY JOGS/ BIG SNEEZE (P)
PDA 147 CHARLEY THE CAT -2MB, 2 DSK ,V.GOOD (P)
PDA 148 CHARLEY THE CAT II- 2MB, 2 DISKS(P)
PDA 149 LINUS - BRILLIANT ANIM (P)

LATEST CLIP ART

NEW....NEW....NEW....NEW....NEW....NEW....NEW....NEW
PDU 453 WEDDINGS - 2 DISKS (P)
PDU 454 HOUSES - 2 DISKS (P)
PDU 455 FANCY BORDERS 2 DISKS (P)
PDU 456 COLOURING BOOK - IDEAL FOR KIDS! (P)
PDU 457 MEN AT WORK - 2 DISKS (P)
PDU 458 WOMEN AT WORK - 2 DISKS (P)
PDU 459 SPORT - 2 DISKS (P)
PDU 460 ANIMALS (P)
PDU 461 CATS (P)
PDU 463 WORLD WAR II AIRCRAFT (P)
PDU 464 MYTHOLOGY (P)
PDU 465 CHURCH & PASTORAL - 3 DISKS (P)
PDU 466 AFRICAN WOODCUTS (P)
PDU 467 WOODCUT CATS (P)
PDU 468 WOODCUT DOGS (P)
PDU 470 ARCTIC WOODCUTS (P)
PDU 471 FARM WOODCUTS (P)
PDU 472 MIXED ANIMAL WOODCUTS (P)
PDU 473 BIRD WOODCUTS (P)
PDU 475 BANNER ART (P)
PDU 476 VEGETARIAN CLIPS (P)
PDU 478 BUSINESS (P)
PDU 479 SAILORS, FISHERMEN, SEA LIFE (P)

ALL OF THE ABOVE ARE HUGE, HIGH QUALITY IMAGES. THE DISKS ARE AUTO BOOTING WITH SLIDESHOW VIEWERS. MULTIPLE SETS ARE AVAILABLE AS SINGLE DISKS.

MUSIC DISKS

PDM 9 RIDE ON TIME/ BAT DANCE (P)
PDM 19 BAD - MICHAEL JACKSON (P)
PDM 20 BAT DANCE (P)
PDM 27 D-MOB MEGAMUSIC III
PDM 225 DIGITAL DISCO
PDM 226 PROTON MUSIC (P)
PDM 227 HARDCORE III - YOU KNOW THE SCORE...SPACIOUS
PDM 228 JESTERDAY - BY SANITY (P)
PDM 212 GARFIELD SINGS
PDM 161 NASP v3.2 - 2 DISKS, WELL REVIEWED (NOW WB2. 0)
PDM 131 PET SHOP BOYS #1 - HIT MUSIC (P)
PDM 132 PET SHOP BOYS #2 - MANIX REMIX (P)
PDM 38 MIAMI VICE THEME - 4 DISKS
PDM 40 MFI VANGELIS DEMO (P)

MUSIC MAKERS PACK

MED 3.20 MUSIC EDITOR, SOUNDTRACKER v2.6, STAR TREKKER, 3 SONGS DISKS, 4 INSTRUMENTS DISKS. THIS IS OUR BEST SELLING PACK (A500+/A600 compatible)

A MUST FOR HOME MUSICIANS !

£12.00

PDM 30 DIGITAL CONCERT II
PDM 31 DIGITAL CONCERT III
PDM 65 DIGITAL CONCERT IV
PDM 85 MIAMI VICE "CROCKET'S THEME" (P)
PDM 91 100 MOST REMEMBERED C64 TUNES (P)
PDM 95 HI FI DEMO (P)
PDM 106 BETTY BOO (P)
PDM 117 FLASH GORDON - 2 DISKS (P)
PDM 230 TRIPPIN' -BY THE BLACK JACKSON, SUPERB!

SUPER SOUND III

THIS IS THE LATEST VERSION OF THE BRILLIANT SAMPLING SOFTWARE BY K.B.E. IT WILL ADD REVERB AND LOADS OF OTHER REAL-TIME FX TO YOUR SAMPLES.
COMPATIBLE WITH MOST SAMPLING HARDWARE. IT IS NOT PD AND ROYALTIES ARE PAID TO THE AUTHOR (P)

£3.50

PDM 118 HACKTRICK "LOADSAMONEY" (P)
PDM 120 LAUREL & HARDY - 2 DISKS (P)
PDM 185 PARASITES KLF
PDM 72 POPEYE MEETS THE BEACHBOYS (P)
PDM 82 FREDDY KRUEGER
PDM 83 KEFRENS JUKE BOX
PDM 104 BASS X #5 POWER REMIX
PDM 105 BASS X #6 SIDNEY YOUNGBLOOD (P)
PDM 229 NASP IV - 2 DISKS, LATEST VERSION (P)

CATALOGUE DISK

OUR NEW DATA BASE CATALOGUE CONTAINS DETAILS OF OUR COMPLETE DISK COLLECTION. TO RECEIVE YOUR COPY SEND 3 FIRST CLASS STAMPS. ALTERNATIVELY, YOU CAN HAVE ONE FREE WITH YOUR FIRST ORDER ON REQUEST

ASSASSINS PACK 2

THIS **ALL NEW** PACK OF 35 DISKSCONTAINS THE LATEST **ASI** GAMES DISKS (36 TO 70). ONCE AGAIN THEY ARE CRAMMED WITH ALL OF THE LATEST AND BEST PD GAMES. FULLY MENU DRIVEN AND SIMPLE TO USE. A GREAT SEQUEL TO OUR ORIGINAL ASSASSINS PACK OR JUST AS GOOD ON THEIR OWN

ALL 35 DISKS FOR ONLY .....

£34.95

JULY SPECIAL OFFERS

FOLLOWING THE SUCCESS OF OUR MAY & JUNE GIVEAWAYS, WE ARE PLEASED TO EXTEND OUR OFFER TO INCLUDE JULY.

OFFER #1

SPEND £ 10.00 OR MORE AND YOU WILL RECEIVE A 10 CAPACITY DISK BOX WORTH £1.95

OFFER #2

SPEND £ 14.00 OR MORE AND YOU WILL RECEIVE A DELUXE MOUSE MAT WORTH £4.99

OFFER #3

SPEND £ 20.00 OR MORE AND YOU WILL RECEIVE A PACK OF 10 HIGH QUALITY 3.5" DOUBLE DENSITY DISKS ABSOLUTELY FREE (WORTH £7.50)

OFFER APPLIES UNTIL 31ST JULY 1993. ONLY ONE FREE GIFT PER ORDER. E&OE.

LATEST DISKS

PDU 446 AMOS COMPILER UPDATE v1.34 (P)
PDU 447 NUKE v1.5B - SADDAM KILLER (WB 2.0ONLY)
PDU 448 SCALEABLE FONTS - 5 DISK SET (P)
PDU 450 SOUND TRACKER v 2.6 (P)
PDU 451 NOISE PLAYER v 4.0 (P)
PDU 488 MAZE MAPPER - A MUST FOR ALL OF YOU ADVENTURERS (P)
PDU 481 NUCLEAR FONTS - CUT N PASTE FONTS, VERY GOOD QUALITY (P)
PDU 482 GELIGNITE FONTS II - MORE IFF FONTS, SUPERB (P)
PDU 483 GELIGNITE FONTS III - BRILLIANT AGAIN! (P)
PDU 484 LAND BUILD v3.2 - LANDSCAPE GENERAION PROGRAM SHAREWARE, VERY GOOD! (P)

KICK 1.3...

THIS SUPERB DISK IS THE ANSWER TO COMPATIBILITY PROBLEMS FOR **A500+/A600/A1200** OWNERS. IT WILL MAKE MANY OF YOUR UNUSABLE DISKS WORK ON THESE MACHINES.AN ABSOLUTE MUST FOR ANY **WB2.0 OR 3.0 USER....RECOMMENDED !**
IT DOES THE SAME JOB AS A ROM SHARER (Amiga Format Mar 93)

ONLY.....£1.75

THIS HAS GOT TO BE ONE OF THE BEST DISKS THIS YEAR!.....

PDD 320 XPOSE DEMO - BY SILENTS 2 DISKS (P)
PDD 321 WILDFIRE MEGADEMO
PDD 322 MAXIMUM VELOCITY DEMO
PDU 485 CLI HELPER (P)
PDU 486 TACK 1.2 - ANIMATION CONSTR. KIT (P)
PDU 487 TEXT ENGINE 4.0 - LATEST VERSION OF THIS GREAT WORD PROCESSOR NOW WITH EXC. BRITISH SPELL CHECKER (P)
PDU 488 A500 PLUS EMULATOR LOADS KICKSTART 2.0 INTO MEMORY ..BRILLIANT !
PDU 489 PROTRACKER v3.0 - GOOD MUSIC TRACKER (P)
PDU 490 GRINDER - GRAPHICS CONVERSIONS FROM PC/MAC TO AMIGA (P)
PDU 491 QMJ v5.31 - THE QUARTERNION MANDELBROT JULIA (P)
PDU 492 WHOM III -DATABASE ON STAR TREK AND TNG....VERY GOOD ! (P)
PDU 493 PERM CHECK PLUS -GOOD (P)
PDU 494 DATABASES - BBASE 5.5, DATAFILER, ADDRESSER & VIDEOMAXE (P)
PDG 150 ASI#41 PACMAN DELUXE, LEAP II, TRACTOR BEAM, HELLZONE 1&2 (P)
PDG 151 ASI#42 GALAGA '92, DOGS IN SPACE, INTRUDER ALERT, ASI CATALOGUE (P)
PDG 152 ASI#43 OCTOTHELLO, INTERLOCK, LEAPFROG, GAMEBOY TETRIS, ROULETTE & CROSS MAZE (P)
PDG 153 ASI#44 GALAXY '89, ROLL ON, NIBBLER, MOUSE IMPOSSIBLE (P)
PDG 154 ASI#45 KASTLE KUMQUAT, D-TRIS, THE BRAIN 2.2, B-CASTLE, PARCHEESE, TESERAE (P)
PDG 155 E-TYPE II CLASSSIC ASTEROIDS (P)
PDG 156 FIGHTING WARRIORS GREAT AMOS BEAT-EM-UP...RECOMMENDED (P)

MORE NEW CLIPART

PDU 495 TRAVEL 2 DISKS (P)
PDU 496 GOLF HUMOUR (2 DISKS) (P)
PDU 497 SPACE (P)
PDU 498 US NAVY (P)
PDU 499 FAMILY SCENES (P)
PDU 501 SPORTING / BASEBALL (P)
PDU 502 SOFT SCENE - LANDSCAPES (P)

PDD 323 HALBRAINS SUNSTONE DEMO (2 DSK)(P)
PDD 324 ANARCHY 3D DEMO II (P)
PDD 325 JOYRIDE BY PHENOMENA (P)
PDD 326 STATE OF THE ART SPACEBALLS (P)
PDU 500 TRIONI CAD v1.0 -BRILLIANT DESIGN PROGRAM, WELL REVIEWED (P)
PDG 157 CRAZY SUE II (P)
PDU 503 TV & VIDEO GRAPHICS - 8 DISKS, A SUPERB SET FOR THE VIDEO TITLING ENTHUSIAST (P)
PDU 506 HARLEQUIN VIDEO FONTS #1 (P)
PDU 507 HARLEQUIN VIDEO FONTS #2 (P)
PDU 508 HARLEQUIN VIDEO CLIPART (P)

NEW FOR *AMIGA* A1200 & A4000

PDA 150 WIERD SCIENCE AGA SLIDESHOW #1
PDA 151 WIERD SCIENCE AGA SLIDESHOW #2
PDA 152 WIERD SCIENCE AGA SLIDESHOW #3
PDA 157 WIERD SCIENCE AGA SLIDESHOW #4
PDA 153 SUPER HAM SLIDESHOW #2 -AGA SLIDESHOW....VERY GOOD
PDA 154 SUPER HAM SLIDESHOW #4 - AGA
PDA 155 SUPER HAM SLIDESHOW #5 - AGA
PDA 156 SUPER HAM SLIDESHOW #6 - AGA
PDD 327 HOIS AGA DEMO - THE VERY FIRST AGA ONLY DEMO...GREAT FX & MUSIC

PDU 504 GOLF SCORE v1.84 (P)
PDU 505 PICTURE CONVERTOR v1a -ANOTHER PC TO AMIGA IFF FORMAT CONVERTOR (P)
PDU 509 SLIDESHOW GENERATOR v3.2 (P)
PDU 510 ICON EDIT v 1.0 (P)
PDU 511 ASSASSINS PRINTER UTILS (P) - LABEL PRINT, LABEL BASE, HYPERCAT, SUPER RET LAB
PDU 512 ADDRESS PRINT v3.0 - ADDRESS LABEL UTILITY (P)
PDU 513 ASSASSINS AUDIO MAGIC vol 3.0 - LOADS OF PLAYERS, TRACKERS & MUSIC RIPPERS WITH FULL DOCS (P)
PDG 158 TEXAS CHAINSAW MASSACRE - A BRILLIANT GAME (POSSIBLY CREATED WITH THE CHOP-EM-UP-CONSTRUCTION KIT) NOT FOR KIDS(P)
PDG 159 CLASH OF THE EMPIRES -NAPOLEONIC WAR SIMULATOR (P)
PDG 160 MASHIE NIBLICK - SIMPLE GOLF GAME FOR THE AMIGA (P)

24 HOUR ANSWERING SERVICE

YOU CAN NOW SEND FAXES OR LEAVE YOUR ORDER ON OUR ANSWERING MACHINE - 24 HOURS A DAY 7 DAYS A WEEK

PD & LICENCEWARE PROGRAMMERS

AS ONE OF THE LEADING DISTRIBUTORS OF PUBLIC DOMAIN, SHAREWARE & LICENCEWARE IN THE U.K. WE WOULD BE PLEASED TO REVIEW ANY PROGRAMS THAT YOU HAVE WRITTEN OR COMPILED. JUST SEND THEM TO US LABELLED **"SUBMISSIONS"** TOGETHER WITH YOUR NAME AND ADDRESS. ALL DISKS WILL BE RETURNED



HOW TO ORDER



DISK PRICES

1 - 9 .... £ 1.75 each
10 - 19 .... £ 1.50 each
20+ .... £ 1.25 each
Deja Vu disks.............................. £ 3.99 each
P = Compatible with A600 / A500 Plus
Postage & Packing is FREE on all orders of 3 disks or more.Less than 3 disks please add**£1.00**.
Europe add **25p** per disk.
Rest of World add **50p** per disk.

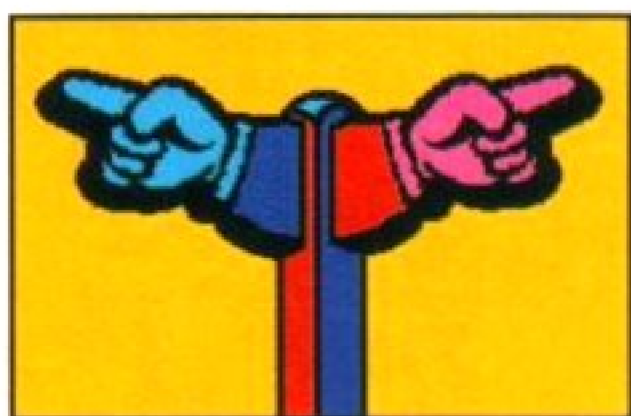
PAYMENT

We accept all major credit cards
Please make cheques and P.O's payable to
PD DIRECT and send to:
PD DIRECT
DEPT. AC8
86 GEORGE STREET
NEWCASTLE
STAFFORDSHIRE
ST5 1DN

PERSONAL CALLERS WELCOME .... WE ARE OPEN FROM 9.30 - 6.00 MONDAY TO SATURDAY

TELEPHONE OR FAX

0782 715255



Helping Hand

Welcome to the pages where **Andy Nuttall** tries to answer some of the more heartfelt pleas for help with games. Let's look at some of the latest problems…

X-PERT ADVICE

WINNING LETTER!



Having trouble getting past this beast? Help is only a Team 17 disk away.

Concerning the tip for *Project X* sent in by Oli and Jeremy Paul in your June '93 edition, Nutts was so smug putting it in the Pathetic Tips column and giving it the thumbs down. In fact, it's correct. Oli & Jeremy just forgot to mention that you need to send off to Team 17 for the disk which contains the cheat. Once you get it, load it into *Project X*, and the cheat is active. Ta-daa!

Wayne Hansford
Ferndown

Nice one, Wayne. Martyn Brown of Team 17 asked me to point out that anyone requiring the cheat should include £2 to cover postage and packing. Have a Psygnosis game!

GOING NOWHERE



"One day, lad, all this will be yours." Achieve success in WB simply by following the directions below.

I've just bought *Willy Beamish*, and I can't get very far in it. I can get out of school, get my sister's diary and the lottery ticket, but I can go no further. Help!

Someone who isn't good at W Beamish
Somewhere

On day three, after you pick up the lottery ticket from outside the OK T-Shirt Kiosk, go to Tootsweet and pick up an entry blank, then go to West Frumpton. At 7pm a gang will beat you up, so before then make your way to the Golden Bowl. Keep trying to get in until something happens, then make a break for the Tootsweet Pavilion. When you see someone familiar, choose the 'Help! Those guys are gonna clobber me!' dialogue. You will then be in the Local #409 Plumbers Union.

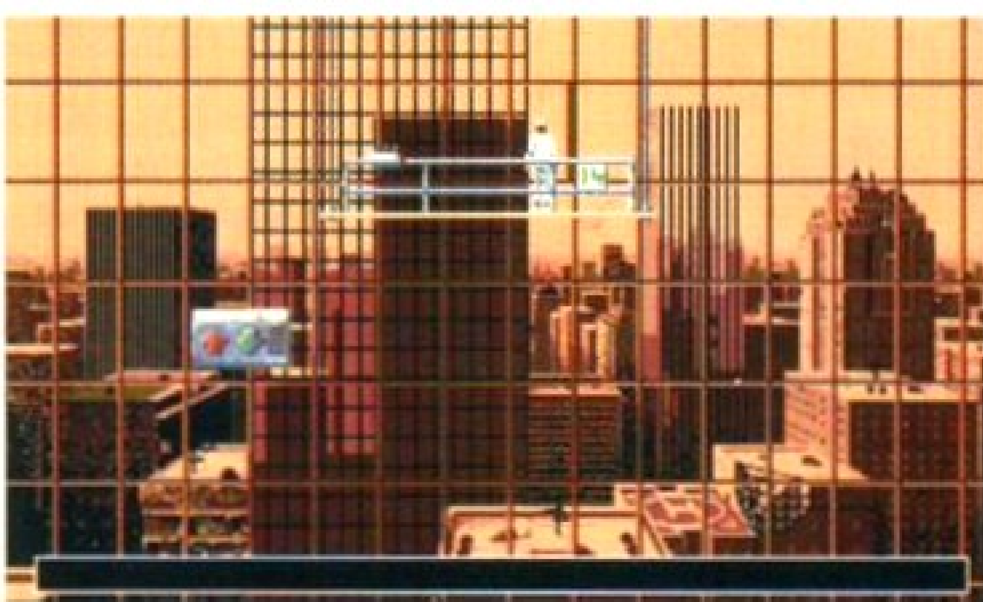
AZTEC PLEA

Greetings from Canada! I'm having trouble with *Gold of the Aztecs*. Could you give me a cheat for the game?

Brad Arndt
Ontario

Er, no, actually. I reckon somebody out there might, though (cue somebody writing in, hopefully…)

FUTURE ESPIONAGE



In the future, window cleaners have a hard time – there's no more two up, two down houses around!

In *Future Wars*, I've got into the building, and into the room with the typewriter and the map by placing the bucket on the boss' door. I have the flag, the sheaf of paper, a plastic bag and the insecticide, but what now?

Gareth Roberts
Swansea

Examine the map, put the flag on the hole in the centre of it. Save your game, exit east and examine the keypad. Operate the keypad, and punch in each number (40315) before the ceiling descends. Go north, then east, and examine the photocopier. Use the paper on the opening, and operate the green button, then the red button. Take the documents, and go to the pool of light to teleport.

MUSICAL BENCHES

In *Operation Stealth*, what do you do when you're in the park wearing a red carnation?

Richard Young
Sheffield

Use the carnation on John, go to the park and walk around the bench until your contact appears. Once you have the card and key, exit right and go to the bank.

HARD CELL

In *Shadow of the Beast 2*, the goblins in the caverns lock me in the prison with a man, and if I try to hit the door the guardian electrocutes us. How can I escape?

Manel Méndez
Barcelona, Spain

Offer the ale to the goblin, and use the mace to break the cage door. Go up to the top, then left, then kill the goblins to collect the ring. Now go down, then kill the sleeping guard to collect the key. Go back and release the remaining prisoner from the cell above yours.

CUPID'S BRACELET



Save your marriage by working out until you look like this… or alternatively pay a visit to the seabed.

I have been stuck for several weeks in *Operation Stealth*. Once on the seabed I activate the bracelet, and am released from my bonds, but I can't swim off screen. I assume I must have to release the girl before being able to proceed, but I can't do it. Any help would be most welcome (it might even save my marriage).

S L Hudson
Dhahran, Saudi Arabia

Simply wait for the girl to reach the seabed, then OPERATE her, then swim to the surface to be rescued.

SPELLING IT OUT

In *Elvira 2*, from whence does the brain come for the 'turn undead' spell? Also, do I use that spell on the vampire in the attic? If so, how do I get past the maggot-mouth in the kitchen?

In *Hitchhikers' Guide to the Galaxy*, I have finished the game, I have survived the Beast of Traal, I have gathered all the fluff, I have even made a cup of tea – but I can't get Marvin to open the hatch to let me on to Magrathea!

Mark Hardwidge
Tonypandy

*In the haunted house (*Elvira 2*) go from the dining room to the meat locker via the serving hatch. Get rid of all the nasties, then turn right and go down the stairs. Now go left to enter the lab, where you will find several items including the brain.*

In Hitchhikers'*, make sure you have got the fruit which you should have grown by planting the fluff in the plantpot earlier in the game. In the Access Space, Marvin will ask you for the 10 tools you have collected throughout the game. You can only take one at a time into the Access Space – but you must take the right one first time. Eat the fruit before you go in to give you a glimpse of the future, and tell you which tool to take. Get it wrong, and Marvin won't do anything.*

PERSIAN BUG

Is there a cheat for changing levels in *Prince of Persia*?

Clinton Thorpe
Melton Mowbray

Yep, simply hold down the Caps Lock key and press L.

If you're stuck on a particular game or have a solution to a letter printed in the magazine, then write it down and send it in to us at HELPING HAND Amiga Format, 30 Monmouth Street, Bath BA1 2BW.

INK-JET, HP, CANON, IBM

We refill your cartridge for only **£9.99** inc. VAT.

High quality, guaranteed ink, fast delivery, free post. Send empty cartridges, printer name and colour. Black, red, dark blue, yellow cyan, magenta.

OR

Recycle your cartridge yourself! **Only £6.99** for Twin Pack inc VAT & Delivery.

Express House
124 Kilby Rd, Fleckney,
Leicester LE8 OBN

Tel: 0533 404405
Fax: 0533 404115

ARTWORKS CLIP ART

Each disk contains between 115 and 270 original, high quality, images for use with Amiga Art, DTP & video programs - Deluxe Paint, Pagesetter, Pro Page, Pagestream, Wordworth, Penpal etc.

1. Pets 2. Castles, cottages and churches 3. Trees 4. Signs & symbols 5. Wild animals 6. Prehistoric life 7. Signs & symbols 2 8. Weddings & family occasions 9. Fishing & freshwater life 10. Signs & symbols 3



£6.99 each - 3 or more £6 each - Over 1700 images for only £60. Inclusive of 1st class P&P.

AMIGA COMPUTING - "Best Buy"
CU AMIGA awarded ★★★★★ - AMIGA FORMAT 85 %

VISA · EUROCARD · MasterCard · Access

Please make cheques/PO's payable to ARTWORKS

(Dept AMF) 1, Pond View, Wootton, Ulceby, S.Humberside. DN39 6SF ☎ 0469 588138

Educational Software



The Connoisseur's Choice

If you are looking for software to help with the National Curriculum, then look no further. Our new free catalogue is packed with programs suitable for all ages from six to adult on a wide range of educational and leisure subjects.

Write or telephone for our new FREE 16-page colour brochure of Educational and Leisure software (Please state computer type)

Subjects now available include ...

Maths	Science	Arithmetic
French	Geography	Football
German	History	Sport
Spanish	English Words	First Aid
Italian	Spelling	General Knowledge



Kosmos Software Ltd, FREEPOST (no stamp needed)
DUNSTABLE, Beds. LU5 6BR
Telephone 0525 873942 or 875406

UK producers of educational software since 1983

SELECTAFONT

UNIQUE 24 HOUR CUSTOMER HELPLINE

UNIQUE DISK PICK n MIX SERVICE

PIC n MIX from over 60 Disks in **ADOBE/COMPUGRAPHIC** Format. Each Disk contains 12 Fonts and costs a paltry £3:00

STARBURST
POWERLINER
AMY NORMAL
ENVISION
CHINESE
STEELWOLF
HEADHUNTER
BLADES
hairpin
MEDUSA

Please send a large SAE with a 36p Stamp for a comprehensive printout of all Fonts. Also state which programs you will be using

BONUS DISKS for orders over £15:00

Special Prices for BULK BUYERS

(Dept.AF) 84 Thorpe Road, Hawkwell, Nr Hockley, Essex SS5

AMIGA POWER SUPPLY £29.99

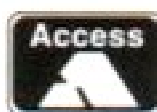
Genuine Commodore, 1 year warranty. Send us your faulty unit and pay only £19.99. Same day despatch by Parcelforce. Free mouse with each order.

AMIGA REPAIR (A500/A500+ ONLY)

£37.99 Any fault (even drive or keyboard!) send machine with covering letter and payment. Price includes return carriage, insurance and 3 months warranty

AMIGA SPARES

A520 Modulator	£29.99	A520 Modulator (exchange)	£19.99
1.2 Rom	£15.00	A520 CIA	£15.00
5719 Garry	£9.99	8362 Denise	£7.99
Amiga Mouse	£6.00	Chinon 3½"internal drive	£29.99



Cheques and postal orders to:
Omnidale Supplies, 23 Curzon Street,
Derby DE1 2ES. Tel (0332) 291219



SOCCER KID

THIS MONTH WE FIND OUR FOOTBALLING PAL DOWN AT THE KRISALIS WAREHOUSE HELPING TO PREPARE HIS GAME FOR RELEASE ....









BY TIM JAMES.

SERIOUS SOFTWARE

ECU

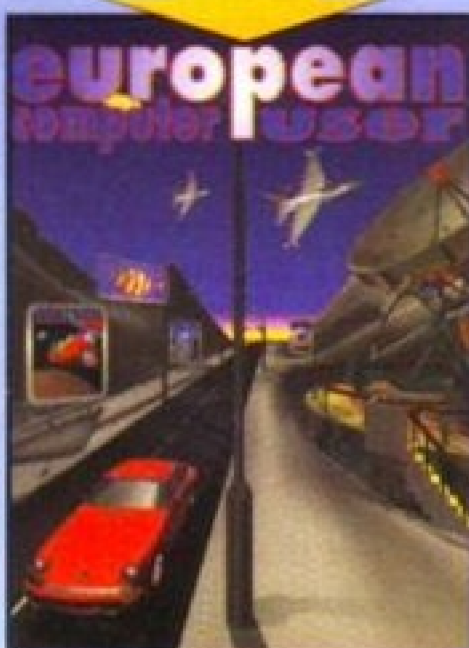
AT SENSIBLE PRICES

A small selection from the vast range of titles we stock.
Phone for a complete price list containing over 600 titles including great value compilations.

TITLE	PRICE
3D CONSTRUCTION KIT 2	32.99
4D SPORTS BOXING	11.99
688 ATTACK SUB	9.99
• A-320 N AMERICAN	22.99
• ATAC	23.99
A-TRAIN	23.99
ABANDONED PLACES 2	23.99
ALIEN BREED SPECIAL EDT 92	9.99
• AMBERMOON	17.99
ANCIENT WAR IN SKIES	23.99
AQUATIC GAMES	10.99
ARABIAN NIGHTS	15.99
ASHES OF EMPIRE	13.99
B-17 FLYING FORTRESS	23.99
BAT 2	23.99
BLUES BROTHERS	13.99
BODY BLOWS	17.99
BOSTON BOMB CLUB	7.99
BUDOKAN	9.99
• CAMPAIGN MISSION DISKS	11.99
CAPTIVE	10.99
CHAMPIONSHIP MANAGER 93	16.99
CHAOS ENGINE	16.99
CHUCK ROCK	8.99
CHUCK ROCK 2	16.99
CIVILISATION	23.99
COHORT 2	20.99
COMBAT AIR PATROL	19.99
COOL WORLD	12.99
CREATURES	15.99
• CRUSADERS OF DARK SAVANT	31.99
CRYSTALS OF ARBOREA	7.99
• DARKMERE	23.99
DARKSEED	23.99
• D-DAY	27.99
DESERT STRIKE	20.99
DOUBLE DRAGON 3	5.99
DUNGEON MASTER AND CHAOS	19.99
• DUNE 2	21.99
DYNABLASTER	19.99
EYE OF THE BEHOLDER 2	19.99
F19 STEALTH FIGHTER	11.99
FLASHBACK	21.99
• FOOTBALL KID	16.99
• GOAL (1 MEG)	21.99
GRAHAM GOOCH CRICKET	20.99
GRAHAM TAYLORS EURO CHAMP	14.99
GLOBAL EFFECT	12.99
• GUNSHIP 2000	23.99
• HERO QUEST 2	16.99
HIRED GUNS	20.99
HISTORY LINE	23.99
• HOT HATCHES	16.99

TITLE	PRICE
HUMAN RACE JURASSIC LEVELS	20.99
HUMANS	14.99
HUMANS DATA DISK	13.99
INDY JONES FATE OF ATLANTIS	25.50
INDY JONES LAST CRUSADE	10.99
INT RUGBY CHALLENGE	16.99
ISHAR-LEGEND OF FORTRESS	10.99
• ISHAR 2	19.99
KID GLOVES 2	10.99
KID PIX	16.99
KNIGHTMARE	10.99
LEGEND	10.99
LEMMINGS 2	19.99
LEMMINGS DOUBLE PACK	19.99
LETHAL WEAPON 3	12.99
LION HEART	16.99
LOST TREASURES OF INFOCOM	29.99
LOST VIKINGS	23.99
LOTUS THE FINAL CHALLENGE	14.99
• MAELSTROM	23.99
MANIAC MANSIONS	9.99
MERCENARY 3	7.99
METAL MUTANT	7.99
MONKEY ISLAND 1	13.99
MONKEY ISLAND 2	25.50
MOONSTONE	10.99
MORPH	15.99
MYTH	7.99
NICK FALDO'S GOLF	21.99
PACIFIC ISLANDS/TEAM Y 2	17.99

THIS IS THE FRONT COVER OF ISSUE 8 OF THE EUROPEAN COMPUTER USER MAGAZINE. IT IS AVAILABLE THROUGH SUBSCRIPTION ONLY, BUT FOR YOUR COMPLIMENTARY INTRODUCTORY COPY, CALL US TODAY.



TITLE	PRICE
PIRATES	9.99
POPULOUS & PROMISED LANDS	9.99
PREMIER MANAGER	16.99
• PRIME MOVER	19.99
PRINCE OF PERSIA	6.99
PUTTY	14.99
REACH FOR THE SKIES	19.99
ROBOCOD	12.99
ROBOSPORTS	17.99
ROME AD 92	24.99
SABRE TEAM	15.99
• SCRABBLE	17.99
SENSIBLE SOCCER 92/93	15.99
SHADOWORLDS	15.99
SHUTTLE	19.99
SILENT SERVICE 2	22.99
SIM CITY DELUXE	25.99
SIM CITY/POPULOUS	19.99
• SPACE HULK	19.99
STEEL EMPIRE	11.99
STORM MASTER	9.99
STREET FIGHTER 2	17.99
STRIKE FLEET	9.99
SUPER FROG	17.99
SUPER TETRIS	13.99
SWIV	7.99
TERMINATOR 2	6.99
THE GREATEST	19.99
THEIR FINEST HOUR	15.99
• TORNADO	23.99
TRANSARCTICA	17.99
TRODDLERS	12.99
WALKER	20.99
WAR IN THE GULF	20.99
WWF 2	12.99
ZACK McKRACKEN	9.99
ZOOL	15.99
AMIGA INSTRUCTION VIDEOS	
ADVANCED TECHNIQUES WITH D-PAINT	13.99
AMIGA GRAPHICS VOL 1	9.99
ANIMATION VOL 1	9.99
ANIMATION VOL 2	9.99
AUDIO PRODUCTION FOR THE AMIGA	11.99
DELUXE PAINT VIDEO GUIDE	13.99
DESKTOP VIDEO VOL 1	11.99
DESKTOP VIDEO VOL 2	11.99
HOW TO ANIMATE	9.99
THE AMIGA VIDEO	9.99
THE MAGIC OF MUSIC & MIDI	11.99
JOYSTICKS	
MINDSCAPE POWERPLAYERS (MICROSWITCHED)	5.99
QUICKSHOT APACHE	5.99
QUICKSHOT PYTHON	8.99

PHONE HOTLINE: 0480 498889 **FAX HOTLINE: 0480 496379**

All items are subject to availability. Prices can be subject to change. E & O E.
Post and packing: UK = 75p per item 2nd Class; £1.50 per item 1st Class; £1.80 per item 1st Class Recorded.
EEC post = £2.75 per item; non-EEC = £3.75 per item;
Express Air Mail = £4.75 per item.



Titles marked with a • may not be released at time of going to press. Please telephone for availability and a full copy of our terms and conditions.



NAME
ADDRESS

POSTCODE PHONE
ITEM PRICE
ITEM PRICE
ITEM PRICE
POSTAGE
TOTAL

Visa/Mastercard/Switch Number:

Switch issue No: Card Expiry Date:

SIGNATURE:

☐ TICK THIS BOX IF YOU DO NOT WISH TO BE ENTERED ONTO THE ECU DATABASE

Make cheques payable to:
European Computer User
& send to :
Units A2/A3 Edison Rd,
St Ives,
Huntingdon, CAMBS PE17 4LF

AMIGA FORMAT AUG 93

There are much cheaper magazines.

Some have posters. Or stickers.

Some review every game good,
bad or average.

Some are easy to get hold of,
any time: they never sell out.

Edge isn't like that.

To be honest, **Edge** isn't for everyone.

Edge: decide for yourself.

EDGE

Thursday 19 August 1993.

The AMIGA FORMAT Collection

No.10 RRP £50

Create any program you like...

AMOS

...it's easy and it's fun too!

Note: this is the full AMOS latest version, but the example programs normally provided with the package are not included. Full tutorial to get you started inside.

● All Amigas ● 1Mb Required ● All Amigas ●

Get AMOS for cheap

The tutorial on these pages is designed to help you get the most from the programming language *AMOS*. If you don't have *AMOS*, but would like to have a go at programming your Amiga, you're in luck, because *Amiga Format* featured the complete *AMOS* program on the January 1993 Coverdisk. Now, if you didn't buy that issue, here's another chance to get your hands on the truly spectacular *AMOS* language. Turn now to Page 150 and order your copy now.

Getting the your AMOS

There's nothing better than digging out your copy of Project X and obliterating the swarm of aliens infesting your screen. Nothing that is apart from creating your very own alien attack swarm in AMOS...

HAVING GIVEN YOU all the groundwork to produce your own game, it's time to add yet more enhancements.

More tweaks

Last issue's *AMOS* pages tied in very nicely with the PD-DIY feature which taught you how to go about creating your own demo. Now, though, it's back to our scheduled program. So far we've touched on a lot of things to do with games and other types of programs. There's so much to the program we could quite honestly run tutorials forever. This month we've got a little something to add to your game, based on everything you've learned over the past eight months.

AMOS extras

A game isn't really playable until you've ironed out all the basic game concepts, like moving the player and the aliens about and making sure it's all working properly. So far we've covered everything to do with object movement except alien waves – those screaming alien gribblies which tear out of the skies and strafe you with large amounts of death. As well as that we'll also be covering starfields, plus a call for all your best routines in *AMOS*.

Attack waves

Up until now the attack waves in the arcade games that you've made have been elementary to say the least. In most *AMOS* literature you will find *AMAL* being pushed as the way to move stuff around, but as we've said previously it's best to do the work in *AMOS* and lose *AMAL* wherever you can.

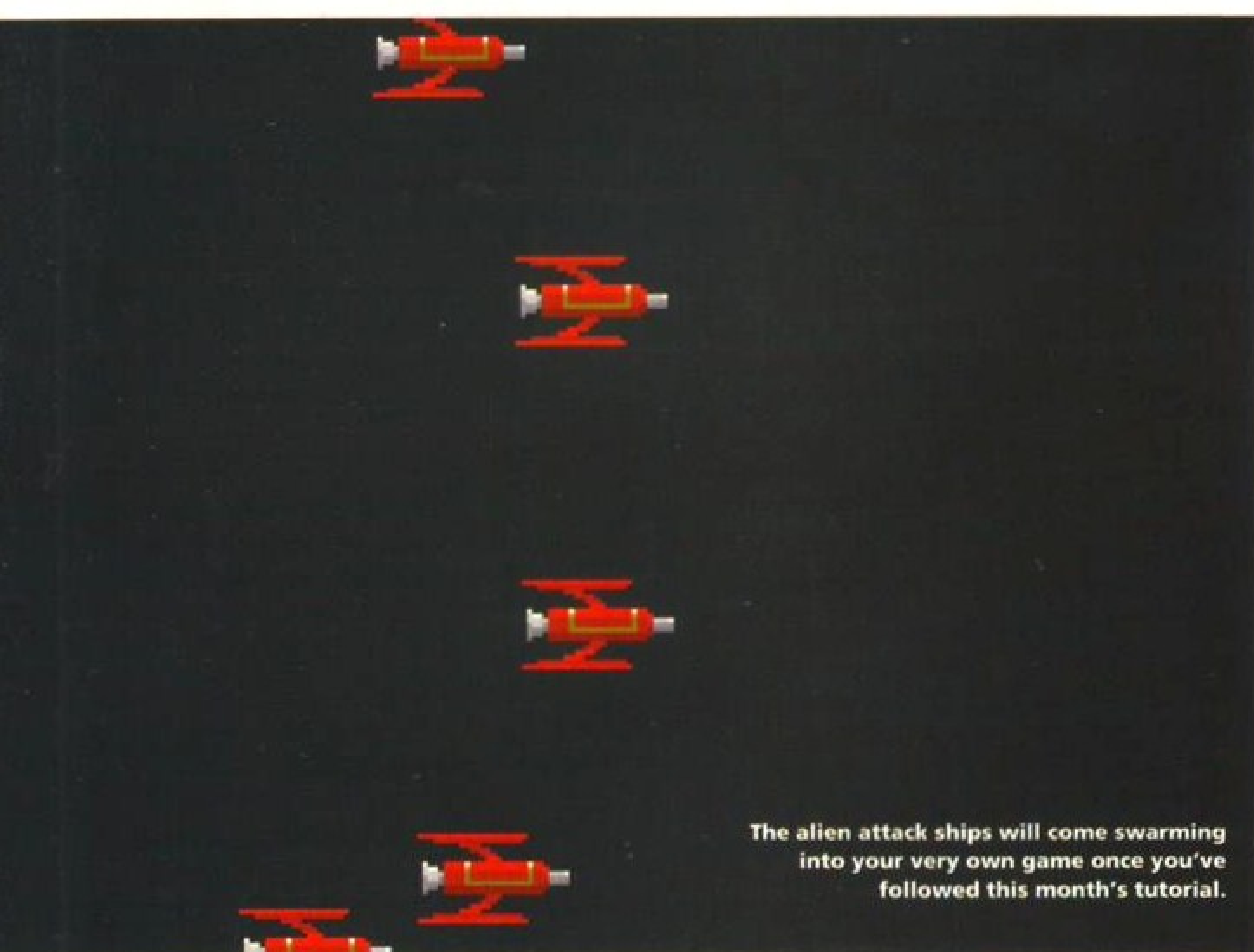
The easiest and best way to do this is to create what we call a movement table, which is simply a list of coordinates describing the path of the sprites, and of course a table for each alien which needs moving. First you create dimensions for an array:

```
Dim X(500),Y(500)
```

and move the sprites using:

```
Bob 1,X(N),Y(N),1
```

where N is the next coordinate in the list, obviously incrementing the numbers using a loop.


The alien attack ships will come swarming into your very own game once you've followed this month's tutorial.

most from COVERDISK

You can also generate an attack wave, in the same way as you'd draw a line on screen. A sine wave is the easiest type of curve, but of course there are more types (see last issue for a circular or elliptical path).

A simple sine wave could be produced by doing the following:

```
Degree
M=0 : D=360
For Z=1 To D
  Inc M
  X(M)=M
  Y(M)=80*Sin(Z)+100
Next Z
```

And that will be your movement table. You could go to the trouble of loading all these coordinates into an array (remembering of course to create a dimension of it first). Try experimenting with a table which sends a number of bobs in a circle and then sends them off the screen. It's just a simple matter of making the loop for the circle, and then cutting off to a sub-routine to send them off screen one by one.

Moving multiple bobs is the only other thing you have to know. Obviously if a group of aliens moves in a line like in our old example from *BugHunt.AMOS*, then you simply offset each bob from the one before creating a group of bobs which move together. But attack waves tend to send one alien on at a time with a short delay. If this is the case, all you have to do is have the one attack pattern, but feed it to the sprites one by one.

First you have to set up the variable buffer space. Obviously we are going to be using a few variables and the values are going to push the system a little bit. You will see that if you start the program without this line you get an Out Of Memory message. Simply increase the buffer in increments of 5K at a time and you'll discover the correct amount of buffer space to add.

```
Set Buffer 40
Dim X(1000),Y(1000)
Dim D(16),NM(16)
```

This gives you enough space to create dimensions for the arrays and use them. A 'gosub' command to the movement table sends you into that subroutine and we'll come to that shortly.

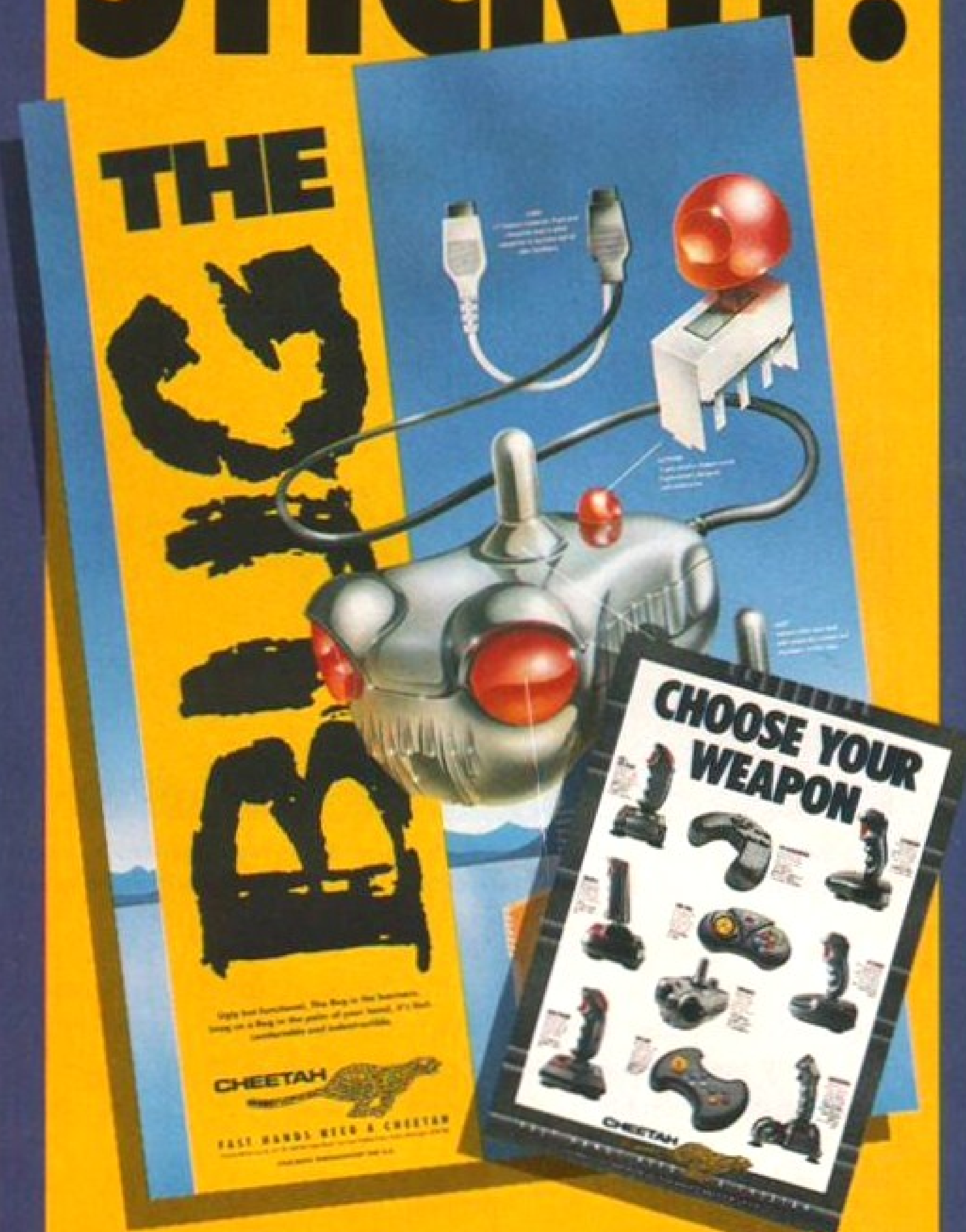
After turning on the Double Buffering and doing all the other display jazz like clearing the screen, you will find you're back at the Autoback command.

```
Autoback 0
```

This sets up the automatic screen copying mode, which when you are using a Double Buffered screen (which we are in this case) synchronises your screen drawing operations with the movements of the blitter objects. Setting Autoback to 0 engages manual mode, which means that screen operations are performed at the maximum speed possible, reducing any annoying flicker.

Continued overleaf

STICK IT!



(on the wall)

Too right! Your fast, furry friends at Cheetah have got some serious wall-wear for your bedroom. So now you know where you can stick it! This eye-pleasing poster features the Bug in all its functional ugliness and the full line up and tech. spec. of the whole Cheetah joystick range.

FREE POSTER OFFER
AND WIN THE STICKS YOU PICK

That's right! Not only are we giving you this poster FREE, but if you then enter our free competition and tell us which 3 sticks you'd like to get your hands on most, you could win all 3! So why are you still reading when you should be writing? Do the coupon thing now!

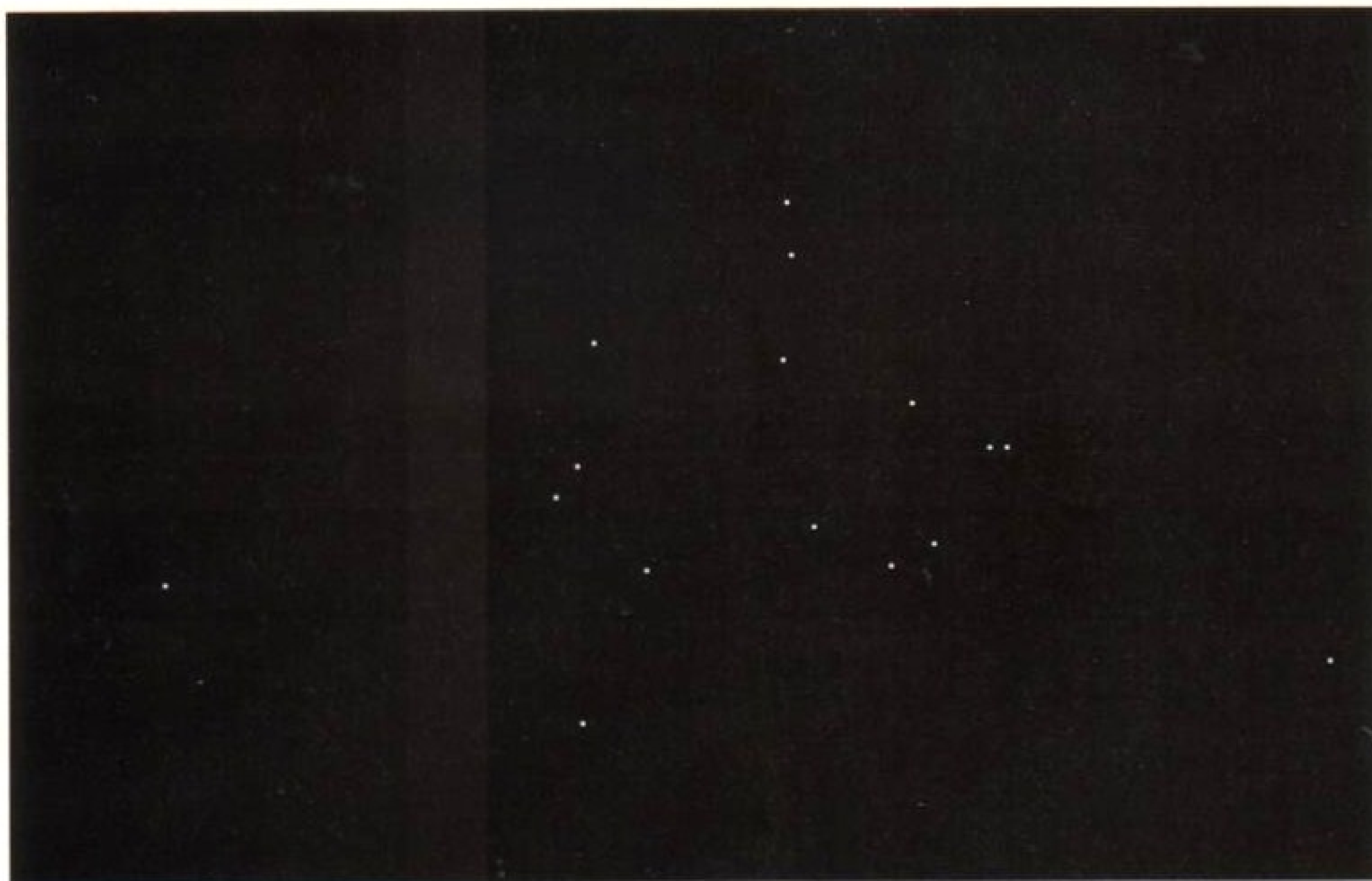


FAST HANDS NEED A CHEETAH
Cheetah Marketing Ltd., Unit K1, Old Wellington Road, Lyn Town Trading Estate, Eccles, Manchester M30 9QG.

For your free poster, fill in this coupon and send it to the above address. Please include a 2nd class stamp in your envelope to cover return postage.

NAME ____________
ADDRESS ____________
____
____________ POSTCODE ____________

AF893



Not the most exciting screenshot we've ever featured admittedly, but when you're learning how to program you've got to start somewhere, and starfields are a good effect for a beginner to use. (It looks better on screen – honest!)

Next you have to set up the variables for the spaceship image, in this case use the ship from *BugHunt*, bob image 1. SP is the speed of the wave. Obviously you can make each wave have a different speed depending on the level or the type of alien.

```
SHIP=1 : SP=4
```

Now we're ready for the main loop. B is the number of the Bob we're moving, SHIP is the image number, and X(P),Y(P) is the position of the current sprite on the screen. NM(B) is the direction of the sprite which will be added to the direction we are already going.

```
Do
  For B=1 To NB
   If D(B)>0
     Add D(B),-1
   Else
      P=NM(B)  : Bob B,X(P),Y(P),SHIP :
Add NM(B),SP,1 To N
   End If
  Next B
Loop
```

And finally the movement table, which gives us the round path which the aliens will follow.

```
_MOVETABLE:
Degree
F=1 : W=50 : H=100
CX=160 : CY=100
N=0 : NB=5
D=F*360
```

The variables contain all the information about the path the ships will take, with CX,CY being the centre of the wave. Once done then the next phase is to create the loop for the actual positions of the sprites, and each sprite gets these coordinates one after the other so they follow each other around the screen:

```
For P=1 To D Step F
  Inc N
  X(N)=W*Sin(P)+CX
  Y(N)=H*Cos(P)+CY
Next P
```

The delay is set up in the final loop, which ensures that each bob is about 10 time units apart. You can rack this figure up for more space between bobs or tune it down to practically link all the bobs together for a big snake-like effect.

```
For B=1 To NB
  D(B)=B*10
  NM(B)=1
Next B
Return
```

And there you have it. Attack waves at your very own fingertips.

There are obviously many different ways of creating attack waves, and these are limited only to your imagination and creativity in applying the rules set down here. The more surprising and hard your attack waves are, the more challenging your game will be. There are ways to increase the speed and fluidity of your attack waves, and compiling the game is obviously the first step.

Aaron Fothergill of the AMOS Club has even gone as far as to re-write the machine code of the compiler so it only stores necessary commands in the compiled code (not all of them though) which increases the speed of his games tenfold. For the rest of us an optimising multiple pass compiler would actually be a good thing, (in case you're listening Europress, hmm?)

In any event, try drawing some complex mathematical shapes on the screen using plot commands, and then transfer these patterns to attack waves. Obviously it has to be possible, by sheer weight of manual dexterity, to beat the waves in some way. So you have to strike a balance between easy and hard – it has to be possible to beat your aliens but not necessarily probable.

Another thing we haven't touched on is the animation of your aliens, obviously you can toggle an image number on each move, and start each alien off on a different image number to make them all seem totally independent. Like this:

```
Start a sprite on image 1
start next one on image 2
then image 1
image 2
etc
```

To toggle between two values in AMOS you can use a little trick, which goes like this. Say you want to toggle between image 4 and image 10:

```
T=4
Do
   Print T
   T=14-T
Loop
```

It's a clever trick which very quickly and simply enables you to flip back and forth between two probably totally unrelated variables or figures. That's one for the notebook, eh?

Starfields

By plotting single dots to the screen you can employ one of the most popular uses of single points on a screen, which must be starfields. Starfields are the kind of thing that you see in *Star Trek: The Next Generation* on Captain Pickard's main viewer. When he says "Put it on the main viewer..." what you usually see is the stars zipping past and some big alien ship threatening the Enterprise. So how do you create the starfield?

Start with a screen size and clear it all up using the usual bits:

```
Screen Open 0,320,200,16,Lowres
Curs Off : Flash Off
Cls 0
```

Now you're going to be moving things about and using multiple screens, so it's best to turn on Double Buffering too, oh and hide the pointer while you think of it:

```
Double Buffer
Hide
```

Now then. Set a couple of variables to half the screen height and half the screen width:

```
CX=Screen Width/2 : CY=Screen Height/2
```

Easily done, and we'll find out why in a moment. And finally in the setup phase of the program, we get a pair of commands we haven't really met before except perhaps in passing:

```
Update Off
Autoback 0
```

The Update Off command is a special command we don't use very often, and its function is to turn off the automatic updating of screen objects like bobs and sprites. This means you can then control the screen updates more precisely. For example if you've got a lot of sprites or bobs on screen, sometimes the screen updates will cause the bobs to flicker. This means they are being updated too often or out of sync with each other. The answer is to turn off the screen update and update it yourself using Update. (This happens at the end of the program loop, usually.)

Next we set up some arrays:

```
STARS=20
Dim X(STARS),Y(STARS)
Dim X_STEP(STARS),Y_STEP(STARS)
Dim C(STARS)
```

Those listings in full

```
Rem * Moving Bobs *
Rem
Set Buffer 40
Dim X(1000),Y(1000)
Dim D(16),NM(16)
Gosub _MOVETABLE
Double Buffer
Load "afbughunt/sprites.abk"
Flash Off
Get Sprite Palette
Cls 0
Autoback 0
SHIP=1 : SP=4
'
Do
   For B=1 To NB
      If D(B)>0
         Add D(B),-1
      Else
                              P=NM(B)   :   Bob
B,X(P),Y(P),SHIP : Add NM(B),SP,1 To N
      End If
   Next B
Loop
Stop
'
_MOVETABLE:
Degree
F=1 : W=50 : H=100
CX=160 : CY=100
N=0 : NB=5 : D=F*360
For P=1 To D Step F
   Inc N
   X(N)=W*Sin(P)+CX
   Y(N)=H*Cos(P)+CY
Next P
For B=1 To NB
   D(B)=B*10
   NM(B)=1
Next B
Return

Rem * Starfield *
Rem
Screen Open 0,320,200,16,Lowres
Curs Off : Flash Off : Cls 0
Double Buffer
Hide
CX=Screen Width/2 : CY=Screen Height/2
Update Off
Autoback 0
STARS=20
Dim X(STARS),Y(STARS)
Dim X_STEP(STARS),Y_STEP(STARS)
Dim C(STARS)
For ST=0 To STARS
   Gosub INIT_STEP
   PHASE=Rnd(CY)/16
   X(ST)=PHASE*X_STEP(ST)
   Y(ST)=PHASE*Y_STEP(ST)
   C(ST)=Rnd(14)+1
Next ST
Do
   Cls 0
   For ST=0 To STARS
      Gosub MOVE
   Next ST
   Screen Swap
Loop
End
INIT_STEP:
X_STEP(ST)=8-Rnd(16)
Y_STEP(ST)=8-Rnd(16)
Return
MOVE:
Add X(ST),X_STEP(ST)
Add Y(ST),Y_STEP(ST)
X=X(ST)
Add X,CX
Y=Y(ST)
Add Y,CY
If X<0 or X>Screen Width or Y<0 or
Y>Screen Height
   Gosub INIT_STEP
   X(ST)=0
   Y(ST)=0
End If
Plot X,Y,2
Return
```

```
For ST=0 To STARS
```

and initialise the steps, or each loop, using a label rather than a proc:

```
   Gosub INIT_STEP
```

The phase angle, which direction the stars go in, is set in this line, not unlike the vectors we used in the ping pong game:

```
   PHASE=Rnd(CY)/16
   X(ST)=PHASE*X_STEP(ST)
   Y(ST)=PHASE*Y_STEP(ST)
   C(ST)=Rnd(14)+1
Next ST
```

Now the main program loop, which calls the two sub-routines and moves the stars:

```
Do
   Cls 0
   For ST=0 To STARS
      Gosub MOVE
   Next ST
   Screen Swap
Loop
End
```

The sub-routines which do all the work are at the bottom of the program which randomises the initial position:

```
INIT_STEP:
X_STEP(ST)=8-Rnd(16)
Y_STEP(ST)=8-Rnd(16)
Return
```

And the move sub-routine governs the direction and speed of each star, 20 in total. As with a lot of *AMOS* which moves stuff around by calculation, you set up the initial circumstances and let the add x, add y lines do all the shifting for you. (You can produce attack waves like this if you like!)

```
MOVE:
Add X(ST),X_STEP(ST)
Add Y(ST),Y_STEP(ST)
X=X(ST)
Add X,CX
Y=Y(ST)
Add Y,CY
```

After all the ADDs you check to see if the dots have reached the edge of the screen. If they have you go back to INIT STEP to go back to the middle of the screen.

```
If X<0 or X>Screen Width or Y<0 or
Y>Screen Height
   Gosub INIT_STEP
   X(ST)=0
   Y(ST)=0
End If
```

The plot command finally plots the point on to the screen, after all that calculation.

```
Plot X,Y,2
Return
```

You can sit and watch this for ages before you get bored. You can adjust the flow of stars to be affected by joystick input, which gives a feeling of movement through space, not unlike the old *Elite* game, in fact. All you have to do is alter MOVE to accept input from the stick using the JOY command. Then you pass this data to the algorithm in MOVE to shift the plot points of the stars up or down depending on the direction the stick is pointing. Another idea is to create a side view so the stars go by as if you're looking out of a side window of a spaceship. How about linking a keyboard key to switch procedures so that one key is looking out of the front of the ship, another out the side, and another behind? It's all possible using plotted points and scrolling.

Go for it

So there you have it. Moving things with seeming intelligence and purpose in a completely random way. *AMOS* is good at this sort of thing, but it's down to you to evolve or collect routines which do something useful. Do you have any routines you can't do without? How about sending them in to us here? When we finish the series we'll do a little roundup of your best code, and dish out prizes, OK? (Send your code to the usual address marked "AMOS Best Routines".)

TECH HELP

If you need any extra help then additional software support is available from:

***AMOS* Club, 1 Lower Moor, Whiddon Valley, Barnstaple, North Devon, EX32 8NW.**

Send them your name and address, and £12 per year (£15 overseas) and you'll get 6 issues of the newsletter full of AMOS hints and tips, plus a technical help phone number you can call to help you figure out any problems you have with your *AMOS* programs. Club members also have discounts on *AMOS* software; Shadow Software offer good reductions on *TOME series 4, CText 2.0* and *SpriteX 3.0*.

CALLERS WELCOME AT OUR BRANCHES OPEN 9-5.30, MONDAY TO SATURDAY, (10-4.30 SUNDAYS ST ALBANS ONLY)

Hobbyte

COMPUTING
ESTABLISHED 8 YEARS

10 MARKET PLACE ST ALBANS
HERTS AL3 5DG TEL: (0727) 856005/841396
THE GALLERY ARNDALE CENTRE LUTON
BEDS LU1 2PG TEL: (0582) 457195/411281

WARNING

Due to the exchange rate, many items in this ad may increase in price - including some CBM + HP product.
At the time of going to press we are unable to confirm the extent or date of the increases, therefore, all prices must be confirmed by telephone before ordering.

HOW TO USE THIS AD

For the first time ever, you can choose your own Amiga and software combination, and still benefit from the huge savings only available from package deals. Want an A500 with 1500 software? No problem! Like an A1500 without games? It's up to you!

WE WANT TO BEAT ALL PRICES!

CALL US!!

OLD AMIGA TRADE-IN

The best trade-in allowance, extra for peripherals and accessories. Trade in your old machine for a brand new A600/ A1500/1200/3000/4000/CDTV or even PC.

A limited number of refurbished A500/1500/3000s are available, complete with 3 months warranty.

A500s FROM £149
A1500s FROM £249

A600 1MB	169	1500 HD+Controllers	
A600 20HD	(mint) 279	40MB	FROM 199
A3000s	FROM 699	120MB	FROM 379
CDTV	FROM 249	Action Replay	39
A590 20/40MB	129/159	XT B Board	79
Flicker Fixer 1500	79	AT B Board	149

OTHER ACCESSORIES - PLEASE ASK.

AMIGA 500+ £179.99

LIMITED NUMBER AVAILABLE - PHONE!

AMIGA 600

A600, SD & HD versions with 12 month on-site warranty, 1MB, WB 2.05, 3.5" FD + Smart Card Interface Mouse and Manuals

	ALONE
A600	189.99
A600 20MB HD	325.99
A600 40MB HD	379.99
A600 85MB*	469.99

2MB VERSION ADD £25

*Top quality 3rd party drives, install disc + full 12 months return to base warranty with FREE collection.

FREE PUBLISHER'S CHOICE RRP £99.99 inc.
Kindwords - WP, Pagesetter - DTP, Artists Choice - Art Pack, Headline Font Pack
OR
4 FREE 'Hot List' games, mouse mat + Joystick
Limited - While Stocks Last

AMIGA 1200

FREE SLEEP WALKER + £10 DONATION TO COMIC RELIEF
(WHILE STOCKS LAST)

1200 2MB SD	369	1200 2MB +80MB HD	*575	**595
1200 2MB +20MB HD	*495	1200 2MB +120MB HD	*639	**675
1200 2MB +60MB HD	*535	1200 2MB +207MB HD	*POA	**895

SEE NEW AGA GG PACK BELOW

*1200 SD fitted with top quality 3rd party drives, install disc + full 12 months return to base warranty with FREE collection.

CBM APPROVED HARD DRIVES

1200s with hard drives marked ** include CBM approved drives fitted by CBM approved engineers, full legal installation/utility disc and documentation and come with CBM on-site warranty service.

Extra 4MB + clock fitted to above ....ADD £180

NEW CBM 1084ST
WITH TILT & SWIVEL STAND + LEADS
£179.99 WITH ANY COMPUTER

NO DEPOSIT CREDIT
available subject to status, APR 29.8%

CDTV

1MB, with Disc Caddy, Welcome CD + tutorial + remote control unit.

	ALONE	WITH MATCHING DRIVE KEYBOARD, MOUSE + WB 1.3
As above	£249*	£294**

With Megachip 1MB upgrade plus Super Agnus £157.99 extra

* Plus Hutchinsons Encyclopaedia + Lemmings **plus FredFish CD

See below/across for software packs

NEW PRICES!

AMIGA 3000

TRADE IN AVAILABLE

12 MONTH ON-SITE MAINTENANCE WITH FREE AMIGA VISION

NEW PRICES!	52MB	120MB
1MB video + 1MB Fast Ram	999	1149
2MB video + 4MB Fast Ram	1149	1299
With extra 4MB Fast RAM (fitted if required)		ADD £169.99
With Philips SVGA 28dpi inc. tilt & swivel		ADD £309.00

CD AMIGA CONSOLE

COMING SOON!

FIRST SHIPMENT AVAILABLE AUGUST

NEW 1940 + 1942 AGA MONITORS

1940 - dual sync, 14", 0.39mm dot pitch (approx 8833/1084 equivalent) with speakers, for 1200/4000

1942- multisync, 14", 0.28mm dot pitch (approx 1960 equivalent) with speakers, for 1200/4000

PHONE HOBBYTE FOR LATEST DETAILS

WITH ANY COMPUTER

ZOOL, STRIKER, PINBALL DREAMS & TRANSWRITE OR LEMMINGS, SIMPSONS, CAPTAIN PLANET, DP III & GFA BASIC

ADD £19.99

AMIGA 4000/30

WITH FREE DPAINT AGA OR WORDSWORTH AGA

NEW MID RANGE AGA AMIGA

AGA Chip Set + 68030 processor, 68882 25/50 MHz co-processor option, 256,000 colours from 16.6M, scan doubling for flicker free display, Mouse, Amiga 3.5"/1.76 MB 3.5" drive, Hard Drive as below, Amiga DOS 3.0 system and utilities, Gold Service on-site warranty

68030	68882	1 +1MB	2 + 2MB STANDARD VERSIONS	2 + 4MB SUPER EXPANDABLE VERSIONS
80MB HD	-	PHONE US BEFORE BUYING THIS CONFIGURATION We can supply at BEST PRICES, but note that most AGA programmes need MORE CHIP RAM	1079.99*	1179.99
80MB HD	25MHz		1199.99*	1299.99
120MB HD	-		1199.99*	1299.99
120MB HD	25MHz		1319.99*	1419.99
120MB HD	50MHz		1449.99*	1549.99
240MB HD	avail		POA	POA

With CBM 1960 multi sync colour monitor inc tilt and swivel ....ADD £349
Per extra 2MB fitted to standard machine ....ADD £89
Per extra 4MB fitted to super exp. machine ....ADD £159

NEW PRICES AMIGA 4000/40

New AGA Chip Set + blistering 68040 processor, 256,000 colours from 16.6M, scan doubling for flicker free display, 25 MHz, Mouse, Amiga 3.5"/1.76 MB 3.5" drive Plus Cross DOS for transfer of files between Amiga DOS +MS DOS, 2 rear + 2 front 3.5" bays, 1x 5.25" bay, Hard Drive as below, Amiga DOS 3.0 system and utilities, Gold Service Warranty

FULL 68040	ALONE	
120MB HD	2 + 4MB	£1989
120MB HD	2 + 8MB	£2139
240MB HD	2 + 8MB	£2239

With CBM 1960 multi sync colour monitor inc tilt and swivel ....ADD £349
Per extra 4MB fitted ....ADD £159

4000/40T INC. SCSI - COMIMG SOON!

THE HOTTEST LOT PACK

	VALUE/RRP
• All as Starter Pack	203.90
PLUS:	
• Another 10 GREAT individually packaged games, **BETTER THAN THE REST** previous RRPs up to 39.99 each, phone to choose from **HOT LIST**, or leave it to us! Children's games available.	269.82
• 80 Prog. Hobbyte PD Greats Pack II - Includes top games like Battlecars, Star Trek, Computer Conflict, Megaball, dozens of arcade classics, board classics and 'shoot-em-ups', DPaint clip art, Utilities, Word Processor, Spreadsheet, Database + Desktop Publisher and the ultimate virus killers - a must for every new Amiga owner!	39.99
TOTAL VALUE	513.71
WITH AMIGA	49.99
SEPARATELY	69.99
SPECIAL: ALSO 10 extra 'Hot List' games	ADD 25.00

NO OTHER DEALER CAN BEAT OUR CREDENTIALS

- Multi-million company with 9 years experience in Commodore product and here to stay
- Commodore trained staff are friendly and helpful and are parents, multimedia, educational, games, programming or technical specialists (usually more than one!)
- Open 9-6 pm Monday to Saturday and 10.00 am to 4.30 pm Sundays (St Albans only) for convenient shopping.
- Callers welcome for advice and demonstration at our 1600+ sq ft High St, Town Centre branches
- Same day despatch for most orders received by 5.30 pm; express am and Saturday services available
- Hardware carefully handled and delivered safely and reliably by caged, insured, top name courier service
- Pre-despatch testing on Amiga systems
- Free 30 day, next day courier collection and delivery of NEW replacement.(except product with on-site maintenance)
- Hotline support and in-house engineers
- Upgrade and trade in offers to keep you up to date
- Exceptional after sales service
- BFPO and export welcome

AGA GG PACK
(GRAPHICS + GAMES) FOR A1200, 4000 ETC.

	VALUE/RRP
• Personal Paint AGA - Top reviews, impressive DP IV clone with additional features inc. image processing, paints in any screen mode	69.99
• Your choice of - Wing Commander AGA or Zool AGA or Sensible Soccer AGA	34.99
• 5 'Hot List' games (AGA compatible) individually boxed	174.95
• Microswitched Joystick	9.99
• Mouse Mat + Dust Cover	9.98
• 10 Blank Discs + 80 capacity lockable disc box	16.98
• Virus Killer	4.99
TOTAL VALUE	321.87
WITH AMIGA/CDTV	89.99
SEPARATELY	109.99

WWW EXTRA PACK

	VALUE/RRP
• WWW games: Silly Putty	25.99
Formula 1 Grand Prix	25.99
Pushover	25.99
• DPaint III with animation	79.99
• 700 clip art pics/graphics for DPaint III	9.99
• 3 disc Home Pack incl. W Processor, Dbase, Spreadsheet	9.99
• Virus Killer	4.99
TOTAL VALUE	182.93
WITH AMIGA/CDTV	24.99
SEPARATELY	49.99

STARTER PACK

	MAX VALUE/RRP
• Microswitched Joystick	9.99
• 80 cap. lockable disc box **PLUS** 10 blank discs	16.98
• 4 great boxed games - See **HOT LIST** Phone for current choice **OR** DPaint III +700 Clip Art Pics/graphics	159.96
• Mouse Mat and Dust Cover	9.98
• 16 Days Free Hotel Accomodation in UK, Ireland or France - you pay only for meals	
TOTAL VALUE	196.91
WITH AMIGA/CDTV	19.99
SEPARATELY	29.99

EPIC PACK EXTRA

Needs 1MB and Hard Drive

	VALUE/RRP
• Epic Pack: Trivial Pursuit, language Lab, Amiga text	29.99
Epic, Rome, Myth	77.97
• DPaint III with animation	79.99
• 700 clip art pics/graphics for DPaint III	9.99
• 3 disc Home Pack incl. W Processor, Dbase, Spreadsheet	9.99
• Virus Killer	4.99
TOTAL VALUE	212.92
WITH AMIGA/CDTV	~~29.99~~ 14.99*
SEPARATELY	39.99

* SPECIAL THIS MONTH with Amiga CD/TV

NOT JUST ANOTHER MAIL ORDER COMPANY

For years a major player in Amiga Mail Order, Hobbyte also boast extensive expertise and experience in specification and support of multi-machine and specialist systems. Hobbyte have been recommended and trained by Commodore and successfully won major orders and support contracts from London Boroughs, MOD, educational establishments etc. We are pleased to be placed on tender lists.
This expertise is available to all our customers.

NO CREDIT CARD SURCHARGES
No deposit credit available (subject to status), 29.8% APR, written details on application. All major debit cards accepted.

• AMIGA SPECIALISTS • STAR GOLD DEALER • CDTV CENTRE • PHILIPS APPOINTED DEALER •

PROFESSIONAL FAMILY PACK (1MB REQUIRED)

	VALUE/RRP
• Cartoon Classics Games: Lemmings **OR** Elf	25.99
The Simpsons Puzznic	24.99
Captain Planet Toki	25.99
• Deluxe Paint III with animation + 700 Clip Art pics	89.99
• Gold disc Office - WP + UK 'guess spelling' checker, spreadsheet, database, graphics + desktop publishing	169.99
• Edd the Duck **OR** GFA Basic **OR** Round the Bend	29.99
• Virus Killer Disk	4.99
• 80 Prog. Hobbyte PD Greats Pack - see 'Hottest Lot Pack'	39.99
• 4 disc DP pack inc. Fonts, Cip Art and Disc Tutor	9.99
• Hobbyte Primarary (specify) or Secondary Educational Pack	19.99
• 10 Blank Discs + 80 Capacity lockable disc box	26.98
• Mouse Mat + Dust Cover and Joystick	19.97
TOTAL VALUE	**488.85**
WITH AMIGA/CDTV	**79.99**
SEPARATELY	**99.99**

SPECIAL: Also with Citizen 200 24 PIN Colour Printer and Starter Pack **ADD 199.00**

ABSOLUTE BEGINNERS PACK 3-13 YEARS

	VALUE/RRP
• Your choice from:	
- Fun School 2, 3 or 4 (for 3-9 yrs - specify age, 9 diff. versions available) Up to 6 stunning UK educational games in each package, with beautiful pictures, exciting animation + music that helps to develop numbers, word + other skills. Up to 6 levels of difficulty. Conforms with National Curriculum.	25.99
OR Merlin's Maths (for 7-11 yrs) from the award winning 'Fun School' stable, 6 engrossing games to teach essential maths skills, in a way children will love.	
OR Spelling Fair (for 7-13 yrs) all the fun of the fair on 6 levels makes learning spelling addictive and fun, Includes 6 games plus 3000 word dictionary + selection of words for needs of dyslexic children. Parents can create own dictionary of words requiring special attention.	
OR Any ADI Junior	
• Edd the Duck (7 yrs) **OR** Elf (7+ yrs) **OR** Round the Bend	25.99
• Hobbyte Primarary (specify) Educational Pack, featuring up to 12 'Learn while you play' games	19.99
• Hobbyte 30 Easy Childrens' Games, 10 pack disc including Train Set and other top entertaining PD titles	19.99
• Photon Paint II + 700 Clip Art pics inc. children, Fairytale +Legend characters, Sport, Cartoons etc.	89.99
• Joystick + 10 blank discs	15.98
TOTAL VALUE	**197.92**
WITH AMIGA/CDTV	**39.99**
SEPARATELY	**59.99**

SPECIAL: Each extra title from first selection add just **15.00**

TRAMPY'S, THOMAS'S OR NODDY'S PACK 2-8 YEARS

AT LEAST 57 EDUCATIONAL/FUN FILLED GAMES!

	MAX VALUE/RRP
• Thomas the Tank Engine's Fun with Words - 6 separate easy to use learning programmes with animation and sound.	29.99
OR Noddy's Playtime (to 7 years) - 8 magical learning games at 3 levels, **PLUS** Junior Art package inc. Colouring, electronic 'Fuzzy Felt', FREE Toy Town map, Keyboard overlay and wobbler.	
• The Shoe People - 6 colourful and entertaining games featuring Trampy and friends to encourage early number reading and pre-reading skills. With Shoe People music	
OR Fun School 2 (for 3-9 years - specify age)	9.99
• Fun School 3 or 4 - the "Fun School" suite have won just about every award going. 5 or 6 wonderful animated games.	24.99
OR Picture Book: 4 colourful and amusing games from ex 'Fun School' design manager will delight young children	
• Photon Paint II + 700 Clip Art pics inc. children, Fairytale +Legend characters, Sport, Cartoons, etc.	89.99
• Hobbyte Primary Educational PD Pack, containing 10 fun while you learn games	19.99
• Hobbyte 30 Easy Children's Games Pack	19.99
• 10 Blank Discs, Joystick, Mouse Mat	26.96
TOTAL VALUE	**221.90**
WITH AMIGA/CDTV	**59.99**
SEPARATELY	**79.99**

SPECIAL: Each extra title from first selection add just **18.99**

LIMITED ZOOL GCSE 11-15 YEARS + SCHOOL PACK

• Zool - Number 1 Chartbuster	25.99
• Striker - 94% CU Amiga	25.99
• Pinball Dreams - 94% AUI	25.99
• Transwrite UK WP +Spellchecker	49.99
• ADI French, Maths or English (11-15, specify age) - ADI the lovable extra terrestrial gifted teacher, guides you through National Curriculum. Ideally compliments school work. From the award winning Fun School team	25.99
OR ADI Junior (under 5's)	
OR 6 HOT LIST Games	209.94
• Hobbyte 80 Programme PD Greats Pack - 'See Hottest Lot'	39.99
• Hobbyte Secondary Educational Pack	19.99
• Microswitched quality joystick	9.99
TOTAL VALUE	**407.87**
WITH AMIGA/CDTV	**49.99**
SEPARATELY	**69.99**

THE HOT LIST

GREAT individually packaged games, **BETTER THAN THE REST** (previous RRPs up to 39.99 each)

CURRENT TITLES VARY - INCLUDES:

Paperboy II	Hunt for Red October
Colossus Chess	Blinky's Scary School (under 12)
Challenge Golf	Battleships
Neighbours	Licence to Kill- Bond Game
Frankenstein	Silkworm Helicopter jeep mission 93% CU
Edd the Duck (under12)	Continental Circus - 8 Int race circuits 92% AA
Spiderman/Cptn America	Xenon - C+VG Game of the Month
Thunderbirds	Blade Warrior - A Power, A Format, A Action superb reviews

+ LOTS MORE - AT LEAST 25 TITLES TO CHOOSE FROM!

AMIGA 24 BIT - £BEST!

A Video 24 with TV Paint for 500	588.90
DCTV	403.99
GVP IV + VIU-S	989.99
GVP IV + VIU-CT	1279.99
Harlequin 4000 24 bit card	POA
Image Master	105.99
Opal Vision 24 bit board + Opal Paint, Opal Presents, Karate 24 bit s/w	629.99
Video Processor for Opal Vision	POA
Video Suite for Opal Vision	POA
Retina 24 bit graphics card + 1MB + VD Paint	339.00
Retina 24 bit graphics card + 4MB + VD Paint	489.00
V lab 24 bit real time digitiser 1200/600 external	334.99
V lab 24 bit real time digitiser 1200/600 internal	289.99
V Lab 4000/3000 internal SVHS	334.99

FOR SPECIALIST ADVICE PHONE JP ON 0727 856005

ACCESSORIES

A500/600/1200 printer centre	28.99	A520 Modulator	29.99
A500/1200 control centre	34.90	Alien/Batman/T2 Joystick	10.99
A600 control centre	27.90	Bug Joystick	11.99
Brickette CDTV Joystick adapt.	44.95	CDTV Keyboard	54.99

FLOPPY DRIVES

Zydec 3.5 external drive, daisychain + on/off	43.95
Cumana CAX 354 3.5 external drive, beige	52.99
CDTV external 3.5 drive, black + 10 blank discs	49.99
PC 880B with anti click + Blitz back up and virus protector	59.99
PC 880B as above, Cyclone compatible	64.99
Dual drive as PC 880B	124.99
Replacement A500 drive	34.95
NEW!! High density 1.76MB ext. drive for any Amiga (WB 2)	POA
NEW!! A2015 high density int 1.76MB 3.5" drive for 1500/2000	78.95
NEW!! A3015 high density int 1.76MB 3.5" drive for 3000	78.95

MONITORS/ACCESSORIES

CBM 1084ST including tilt + swivel +2 games	188.95
Philips UK 8833 MKII mon.+leads+ Turbo Challenge + on-site	219.99
Tilt + swivel stand for 14" monitors	12.99
CBM 1960 High res monitor	359.99
NEW!! CBM High res AGA Quad synch Monitor for 1200/4000	POA
NEW!! Microvitec Cub-scan 1440 .28dp for 1200/4000	429.99
EIZO 9060M Multi-Sync for 1200/4000 models	595.00
CBM 1936 Hi-res SVGA .28dp inc. tilt & swivel	259.99
NEC 4FG Multi-Sync	544.99
NEW!! PiP View TV tuner + remote with sub picture for Amiga monitors	POA
CBM Flicker Fixer	99.90
ICD Flicker Free Video 2-A500	197.90

SCANNERS & DIGITISERS

Epson GT 6500, 600dpi 24 bit A4 inc. Scan s/w	779.00
Power Hand Scanner, 400 dpi, 64 Greyscale, Powerscan software	88.99
Power Hand Scanner as above, V3 for 1200/4000	104.99
Power Colour Hand Scanner	219.49
Sharp JX 100 A6 Scanner + scanlab s/w up to 18 bit	469.99
Summa Sketch II A4 Tablet Digitiser/A3 Tablet Digitiser	319.99/529.99

HARD DRIVES/ACCELERATORS 500/600/1200

A530 1MB 40MB	479.00
A530 1MB 80MB	579.00
A530 1MB 120MB	679.99
A530 1MB 213MB	749.99
A530 68882	218.99
GVP HD8 42MB	284.99
GVP HD8 80MB	368.99
GVP HD8 120MB	458.99
A590 20MB	199.99
A570 for 2.04 1MB 500	139.99
GVP 85 MB HD 600/1200	274.99
GVP 1230 030 accel for 1200	374.90
M1230 XA 40MHz	289.99
M1230XA 40MHz 4MB	389.99
M1230 XA 50MHz 4MB	489.99
Microbotics VXL30 25MHz	219.99
VXL 30 40MHz	339.99
2MB Burst RAM for above	179.99

A600/1200 HD UPGRADES

	SELF FITTING* (on-site invalidated)	CBM APPROVED FITTING** (with on-site)
20MB	119	-
40MB	149	-
60MB	179	214
80/85MB	215	275
120/127MB	319	399
209MB	-	549
INTERNAL CLOCK		POA

*ADD £14.99 for Hobbyte fitting
**Including FREE courier collection & delivery

HARD DRIVES/ACCELERATORS A1500/2000/3000/4000

GVP HC8/II 40MB	278.99	G Force 030 40MHZ 4MB	748.99
GVP HC8/II 80MB	314.99	G Force 030 50MHZ 4MB	998.99
GVP HC8/II 120MB	358.99	G Force 040 33MHZ 4MB	1398.99
GVP HC8/II 213MB	566.99	Prog Mercury 040 28MHZ (3000)	1349.99
Extra 2MB fitted to any above	69.99	**NEW!!** SCSI II controller for 4000	139.99
G Force 030 25MHZ 1MB	478.99	Sysquest removable HD 88MB	658.99

EXPANSION

A500 512k Ram Exp+Clock	21.99	**NEW!!** PC1204 4MB exp- clock	184.99
A500+ 1MB exp	29.99	PC1204 4MB exp + 68881 20MHz	239.99
A500+ 2MB, exp. to 8MB	149.99	PC1204 4MB exp + 68882 25MHz	274.99
CBM A600 1MB exp + clock	27.99	PC1204 4MB exp + 68882 50MHz	244.99
A600/1200 2MB exp (card)	117.99	MBX 1200 4MB+68881 14MHz	268.49
A600/1200 4MB exp (card)	179.99	MBX 1200 4MB+68882 25MHz	334.49
CDTV 1MB exp + Super Agnus	157.99	MBX 1200 4MB+68882 50MHz	409.00
A500 Rom Sharer 1.3	37.95	8MB version MBX boards above	ADD 89.50
A500 Rom Sharer 2.04	38.95	**NEW!!** CBM 2.1 upgrade kit	74.99
A600 Rom Sharer + 1.3	49.95	A2065 Ethernet Card	229.95

Chip fitting and board upgrade available, by our qualified engineers ..... **POA**

EMULATION

G Gate 386sx 25MHz	386.99	386 Bridgeboard for1500	238.50
G Gate 486SX	689.99	AT Once	214.99
GVP 286 for GVPII +530	146.99	GVP 40/4 for 1500	945.99

GENLOCKS/MODEMS

Rendale 8802 (1200 compat)	139.99	Video Pilot v330	1094.94
NEW!! Rendale 8802 FMC	159.95	Rocgen+	131.50
Rendale 8802 SVHS/8860	469.99	GVP G-Lock	289.00
Hama Genlock S290	689.99	Supra 2400 Modem	78.95

DISCS

10 Blank DS/DD discs in box	4.99	50 Blank DS/DD discs	17.99
10 Blank DS/HD discs	6.99	50 Blank DS/HD discs	27.99

PRINTERS

2YR WARRANTY WITH CITIZEN

	ALONE	WITH STARTER PACK		ALONE	WITH STARTER PACK
Citizen 120+D	108.99	ADD £12.99	Citizen S24x col*	296.99	ADD £12.99
Star LC20	116.99		HP Deskjet 510	319.99	
NEW! Citizen 90 mono*	156.49		HP Deskjet 500 col§	439.99	
NEW! Citizen 90 colour*	169.49		HP Deskjet 550C§	639.99	
Star LC 100 9 pin col	158.69		HP Deskjet Portable§	339.99	
Citizen Swift 9* col	163.49		HP Paintjet§	639.99	
Star LC200 col	174.99		HP Deskjet 1200C	1349.90	
Star LC 24-20 II	218.49		BJ10sx Bubblejet port.	219.90	
Star LC 24-100 24 pin	173.49		BJ 200	349.90	
Star LC 24-200	209.99		BJ 330 A3	469.99	
Star LC 24-200 col	248.49		BJ 300	389.99	
Citizen 124D	176.99		Star SJ 48	198.99	
Epson LQ 100	189.99		Panasonic KXP 4410 Laser 5ppm	494.95	
Epson LQ 570	259.90		Star LS 5 laser	616.95	
Epson LQ 870	469.90		HP Laserjet 4L	619.90	
Epson LQ 1170	569.90		Star LS 5ex 5ppm dual bin	729.90	
Citizen S200 24*	179.99		Sharp JX 9500 9ppm	599.50	
Citizen S200 24 col*	194.99		QMS Ink Jet col A4	4999.95	
Citizen S240 24 col*	259.99				
Epson Stylus 800	294.90				

§Studio driver/Utility (WB 2 & above) highly recommended ADD £39.95

STARTER PACK: 500 Sheets A4 paper, Amiga to printer lead, Universal Printer Stand & Driver * with Print Manager

SOFTWARE

GRAPHICS/CAD	
Aladin 4D	213.99
AmigaVision	17.90
Art Expression AGA	134.90
Art Dept. Pro 2.3A	147.90
Brilliance	143.90
Caligari 24	234.49
Deluxe Paint IV	53.99
Deluxe Paint AGA	64.90
Distant Suns	49.49
Essence	35.99
Expert Draw	48.99
Gallery	39.49
Image FX	POA
Imagine v2	109.49
Image Master AGA	119.49
IntroCAD Plus	63.99
Pixel 3D Pro	119.95
Prodraw 4 AGA	POA
ProVista AGA	49.49
Real 3D Turbo Pro	78.90
Scala 500 HVT	64.49
Scala Pro 1.13	173.50
Scala MM200	434.99
Sculpt Anim.4D	198.99
Spectra Colour	57.99
Take 2	36.90
TV Paint	544.90
Vista Pro	49.99
X CAD 2000	89.50
X CAD 3000	245.99
VIDEO PROD/ TITLING	
Adorage	59.49
AmigaVision	17.90
Broadcast Titler II	173.90
Deluxe Photolab	51.49
Morph+	138.99
Pro Video Plus	137.99
Scroller	59.99
TV Show Pro	51.39
TV Text Pro	79.50
Video Studio 3	115.95
Video Director	123.99
Video Master	49.49
Vidi Amiga 12	73.99
EDUCATIONAL	
Any Fun School 3 or4	15.99
Any ADI	16.99
Merlin's Maths	16.99
Paint & Create	16.99
Spelling Fair	16.99
See also software packs	
UTILITIES/LANGUAGES	
AMAX II Plus	249.99
Ami back	39.90
Amos 3D	21.49
Amos the Creator	30.95
Amos Compiler	19.49
Amos Prof.	43.50
Easy Amos	22.49
CanDo 2	97.50
Cross Dos v5	29.75
Directory Opus 4	47.49
Disk Master II	43.75
GB Route +	32.99
GFA Basic	8.99
Gigamem	89.90
SAS/Lattice C	255.99
Quarter back	39.49
Quarter back Tools	43.99
Xcopy Pro	34.95
APPLICATION	
Arena Accounts	82.50
Excellence 3	39.99
Final Copy V2	64.99
Kind Words III	32.99
Maxiplan Plus v4	34.50
Mini Office	37.49
Pagestream 2.2	149.90
Pagesetter 3 AGA	42.49
Pen Pal 1.4	34.50
Pers Finance Man +	29.50
Pro. Page 4 AGA	136.49
Publisher	31.90
Saxon Publisher	177.95
Superbase Pro 4	148.99
Wordsworth AGA	72.90
Works Platinum	38.99
MUSIC	
AD 10 12 Studio 16 Sampler	349.95
Audio Engineer +2	149.49
Audio Master 4	41.49
Bars & Pipes 2	239.99
Clarity Sampler	104.99
GVP DSS	38.99
Midi Interface	19.95
Rombo Megamix Mstr	24.99
Stereo Master	26.99
LEISURE TOP SELLERS	
AV8B Harrier Assault	27.49
Campaign	22.99
Chaos Engine	16.49
Chuckrock 2	17.99
Epic	*9.99
F1 Grand Prix	24.99
Gunship 2000	24.99
Indiana Jones	23.99
Lemmings 2	18.90
Monkey Island II	21.99
Nick Faldo's Ch. Golf	22.99
Nigel Mansell AGA	21.99
Premier Manager	15
Putty	*9.99
Sensible Soccer	1
Sleepwalker	20.90
Sleepwalker 2MB	*9.99
StreetfighterII	17.49
THUNDERBIRDS!!	**12.99**
Trvial Pursuit	*9.99
Wing Commander	19.49
Zool	15.99

*Price applies only with Amiga hardware purchase

NOTE SEE ACROSS

ORDERING:

TELESALES NO: 0727 856005 FAX: 0727 834944

Same day despatch for debit or credit card orders placed before 5pm subject to availability. Alternatively send cheque, postal order, bankers draft or official order (PLCs, Education and Government bodies only) to; Dept. AF, Hobbyte Computer Centre, 10 Market Place, St. Albans, Herts AL3 5DG. Please allow 7 working days for cheque clearance. Subject to availability, despatch is normally within 24 hours of receipt of cleared payment. Prices are correct at time of going to press, however, we are sometimes forced to change them, either up or down. Please check before ordering. Additional services and different packages may be offered in our showrooms, and prices may vary from Mail Order prices. Personal callers are asked to quote this ad to ensure Mail Order packages are offered.

DELIVERY CHARGES: UK MAINLAND (NOT HIGHLANDS)

Small consumables & software items	Despatched by post, please check charges when ordering
Other items, except lasers	Next day courier service, £10 per box
Offshore and Highlands	Please enquire
IN ADDITION WE OFFER THE FOLLOWING EXPRESS SERVICES:	
Saturday deliveries	Normal rate plus £15
Am next day	Normal rate plus £8

NO DEPOSIT CREDIT FACILITIES

Credit terms at 34.8% APR (variable) can be arranged for purchases over £150, subject to status. Competitive leasing schemes are also available for businesses, including sole traders and partnerships. Just telephone for written details and application form.

Amiga prices, except where stated are inc. VAT. E.&O.E.

• HP AUTHORISED DEALER   CITIZEN DEALER PLUS •

TELE-ORDER (0727) 856005

FAX: (0727) 834944

GAMES DIRECT



SAVE UP TO £10 OFF TITLES!

118 Elderslie Street . Glasgow

MAIL ORDER HOTLINE

CALL NOW 041 306 6677

VISA

THE CHEAPEST PRICES AND THE BEST SERVICE

TOP TITLES

Campaign	£22.75
F-15 Strike Eagle II	£22.75
John Madden American Football	£17.80
Rome AD92	£17.80
Lotus 3 - The Ultimate Challenge	£17.80
Graham Taylor Soccer Challenge	£17.80
Archer MacLean's Pool	£17.80
Dr Who - Dalek Attack	£12.84
Humans	£17.80
Jaguar XJ220	£17.80
WWF European Rampage Tour	£17.80
Championship Manager	£17.80
Desert Strike	£20.00
The Chaos Engine	£17.80
B17 Flying Fortress	£22.75
Reach for the Sky	£20.54
International Rugby Challenge	£20.00
Legends of Valour	£25.50
PGA Tour +	£20.50
Flashback	£21.00
Perfect General	£21.00
Superfrog	£18.84
Transarctica	£20.50
McDonald Land	£18.30
Waxworks	£20.50
X-Wing	TBA

We specialise in top titles and new releases ... but we pride ourselves on getting any game, so if it's not listed it doesn't mean we haven't got it! Call!

HOT NEWS

International Golf Championship
FA Premier League Manager
Eye of the Beholder
Tornado
Frontier
Goal !
Jurassic Park
Gunship 2000
Ancient Art of War
Dune 2
Zool 2
Walker
Overdrive
Cyberace
Arsenal FC

CALL.. CALL..

GREAT PRICES

Formula 1 Grand Prix	£22.75
Pinball Fantasies	£19.50
Civilization	£22.75
Sim Earth	£22.75
A-Train	£22.75
Body Blows	£18.34
Chuck Rock 2	£17.80
Creatures	£17.80
Zool Enhanced A1200	£17.80
Sleepwalker	£17.80
Lemmings 2	£19.50
Premier Manager	£17.80
Streetfighter 2	£19.39
Sensible Soccer '92/'93	£17.80
Wing Commander	£22.75
Zool	£17.80
Indiana Jones - Fate of Atlantis	£17.80
Nick Faldo's Golf	£22.75
History Line	£22.72
Monkey Island 2	£24.39
Shadoworlds	£17.80
Jimmy White's Snooker	£20.00
Road Rash	£18.30
AV8B Harrier Assault	£22.75

Join our free club and collect points towards a free game of your choice!

Be the envy of your mates.. If you register for a new release you will get priority and could receive games on the day of release !!

Do it NOW !

MAKE CHEQUES/POSTAL ORDERS PAYABLE TO:
GAMES DIRECT, 118 ELDERSLIE STREET, GLASGOW G3 7AW

Postage and packing £1.00 (1 game), £1.50 (2 games), £1.75 (3 games). Add 25p per game for orders over 3 games. New titles are sent as released, prices are subject to manufacturers' change E&OE. Allow 5 working days for cheque clearance. All orders are dealt with immediately and should be with you within 2 days, however we may take up to 28 days if out of stock. Once a game has been opened it cannot be returned.

Name .... (AF)
Address ....
....
Postcode .... Tel ....

Game	Price	Postage
1.		Add £1.00
2.		Add £1.50
3.		Add £1.75
4.		

Visa/Master/Switch Total:

Card Exp. Date

Signature: ....

Our review policy...

Amiga Format has been voted 'magazine most influencing buying decisions' by dealers in trade magazine *Computer Trade Weekly* for three years running. That's because *CTW* know our reviews are the most trustworthy; what we say, you seem to agree with.

Simply enough, that's because a) we know what we're talking about, and b) we're honest. We know what you want, because we're Amiga enthusiasts ourselves. And because we're Amiga experts, we test everything to the full and see how it performs.

We don't review anything 'on-site' and we won't review it if it isn't finished just so we can claim an 'exclusive'. If a product is let down by poor features, if it's difficult to use or if it's overpriced, we'll tell you. But on the other hand, if it's well worth the price, or does something amazing, we'll make you aware of the fact – and look out for the *Amiga Format* Gold award that distinguishes a truly excellent product, one that really stands out from the crowd.

How the Rating System Works

SPEED (marked out of 5) ●●●●●
Tremendously important for both hardware and software; there's nothing more annoying than waiting. A purely intuitive judgement.

DOCUMENTATION (out of 5) ●●●●●
Although there are some packages that are so simple that no manual is needed, complex items benefit hugely from a good explanation.

ACCESSIBILITY (out of 5) ●●●●●
The targets for all good products should be power and simplicity, this rating assesses how easy it is to get to grips with the item.

FEATURES (out of 5) ●●●●●
Does it do what you want it to do? How well does it do it? And does it also do lots of other things that you'd never have thought of?

VALUE (out of 5) ●●●●●
A pretty important rating, this one, if a product does everything you could wish for, it's no use to you unless you can afford to buy it.



The Verdict, our at-a-glance overall rating, is a percentage: it's based on sheer quality, but with price taken into account ,so that you know what kind of a deal you get.

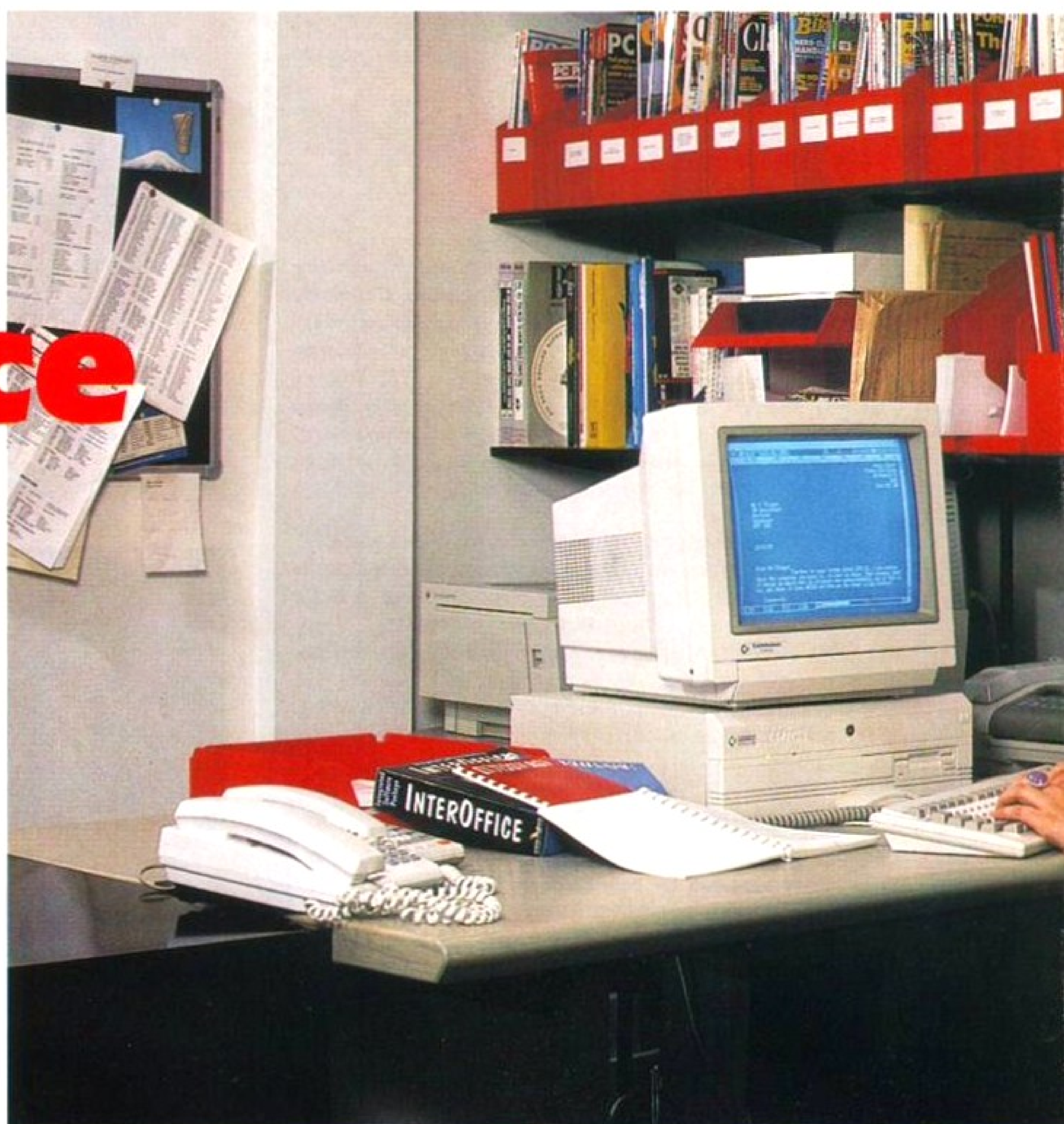
Let's get 'serious'!

All work and no play – that's what this section is for. Forget the games, put away the joysticks, let's get into some heavy stuff (but it can be fun too... really).

Need a word processor? How about a spreadsheet and a database? Don't buy them separately – you can have all three in one package! **Jason Holborn** checks out the latest in home office software.

InterOffice

Integrated Software ■ £49.95 ■ InterActivision



With *InterOffice* you get a word processor, a spreadsheet and a database in one package for just under £50.

AS WELL AS playing games, many Amiga owners use their machines for 'serious' work. To must of us, this means either you want to write a letter or a report, perform some complex calculations that are beyond the average handheld calculator, or you need to keep track of large amounts of information.

There isn't one program that will do them all – you need a word processor for writing letters, a spreadsheet for heavy number crunching and a database for filing and information storage. Buying all three separately can be expensive, so it's worth considering an 'integrated' package like InterActivision's *InterOffice*.

The idea behind an integrated package is that the programs you need to carry out these basic functions are bundled together in such a way that they share a common user interface, can swap data (you can load a section of a spreadsheet into your word processor, for example) and all of them run from a single Shell program (a menu, basically).

Integrated business packages are big business these days, simply because they give you everything you want in one affordable package. Already quite a few are available for the Amiga including Europress' recently released *Mini Office* and *Gold Disk's Office!*(see below). InterActivision have been quick to jump on the bandwagon too with the release of *InterOffice*: a spreadsheet, word processor and database in one box for just £50.

However, *InterOffice* isn't quite the integrated package that InterActivision would have us believe. It is about as integrated as any other software bundle, and this is precisely what it is. InterActivision have put all three of their previously separate Amiga business programs (*InterWord*, *InterSpread* and *InterBase*) into one box, still with three separate manuals, and all sharing the same pseudo Intuition-like frontend, but then they always did! To be fair to InterActivision, *InterOffice* does work as an attempt at an integrated business package. There's no common Shell program that can be used to load either of the three programs, but the rather non-standard user interface shared between the programs give them the sort of uniformity that an integrated package needs. And they're not bad programs either!

INTEROFFICE is available from **KOMPART UK** on **0727 868005**

The first program is *InterWord* which is a very good word processor. While it does not support the more cosmetic features that have made programs such as Digita's *Wordworth 2* such a roaring success (outline fonts, picture importation, full colour support), it's excellent if what you need from your WP is a program that can process words. As you would expect, *InterWord* excels at processing large sections of text and it offers all the usual functions for marking, moving and cutting wads of text.

It also comes with a spelling checker that boasts a 137,500 word dictionary. A thesaurus is not included, but *InterWord* does offer some extra features rarely found in word processing systems at this price, including soft hyphenation and index generation. And, because the program doesn't mess around with graphics or pretty fonts, it chugs along at a very acceptable rate, rivalling *Protext* with ease.

InterWord can also load worksheets from *InterSpread*, although they have to be saved out to disk from *InterSpread* and then loaded into *InterWord*. If *InterOffice* were truly integrated, this sort of thing would be possible with a single keystroke.

INTEGRATED OFFICE ALTERNATIVES

GOLD DISK OFFICE

£69.95 ■ Gold Disk UK 0743 350551

Gold Disk know a thing or two about writing solid Amiga applications and *Office!* doesn't disappoint. Based on cut down and reworked versions of existing Gold Disk products, such as *Advantage* (spreadsheet), *Transwrite!* (word processor) and *PageSetter* (DTP), plus a previously unpublished flat file database, *Office* offers value for money.

Although *Office* is based around programs that were sold separately, they work together surprisingly well thanks to file compatibility between the modules and a standardised Workbench 2.0-like frontend that has been incorporated into all four programs. In all, *Gold Disk Office* is without doubt the best home office package.

MINI OFFICE

£59.95 ■ Europress Software 0625 859333

Running from a central menu system, *Mini Office* for the Amiga offers a good word processor, a spreadsheet, a database and a graphing module all in one. It's a more complete package than *InterOffice* (*Mini Office* is a true integrated package rather than just a bundle), but it still comes second to Gold Disk's offering. Although the Amiga version of *Mini Office* was only released last year, the name has been floating around for almost 10 years.



Although *Mini Office* for the Amiga was only released last year, it has been around for 8-bits for 10 years now.



Next up is *InterSpread*, the spreadsheet program. All you have to do is to feed the spreadsheet a list of numbers, tell it how they relate using a series of formulae, and then the spreadsheet performs all the calculations for you. If you later decide to make a change – if you made a mistake entering a figure, for example – then the spreadsheet automatically recalculates the entire sheet for you.

InterSpread shares the same look and feel of most spreadsheets, so you should feel at home if you've used one before. Up to 10 spreadsheets can be held in memory at one time and data can be transferred between them. The screen is divided into a matrix of cells that are identified by their row/column position. Each cell is capable of holding either a number, a string of text or a formula comprising any combination of *InterSpread*'s 60 or so mathematic functions. *InterSpread* can handle numbers in different formats including integers, floating point numbers and currency.

One important aspect of any spreadsheet is its graphing functions which enable you to transform the figures into graphs. *InterSpread* supports graphing of data, but this is not its strongest point (especially if compared to professional programs such as Gold Disk's *ProCalc!*). *InterSpread* supports eight types of graph including bar, line and pie charts.

Finally, we come to *InterBase*, *InterOffice*'s database program. Once again, *InterBase* shares the same rather non-standard user interface, but it doesn't quite work in this program. It wouldn't be so bad if the programmers hadn't used non-standard names for some important aspects of the program – a database is called a 'table', for example. With most other databases, a table is a type of form used to display the contents of a database.

InterBase database files can consist of any combination of four basic data types – a fixed string (a string of characters that is restricted to a user-specified number of characters), a dynamic string (like a fixed string but with no size restriction), numbers and dates. I don't like the way *InterBase* handles dates either – to enter a date you must type it in as a six figure number in the format YYMMDD (for example, 4 August 1993, you'd type 930804). This can be changed, but then you shouldn't have to change it anyway!

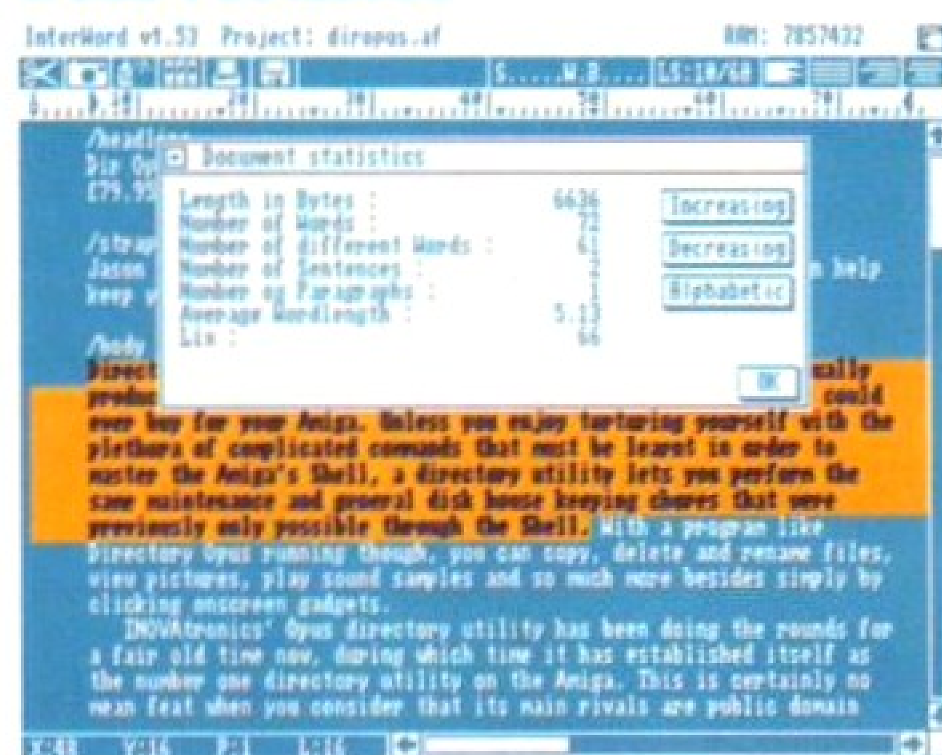
Like most databases, *InterBase* enables you to create one or more 'layout' which defines how the information is to be displayed on the screen or printed. Unfortunately, this is one aspect of *InterBase* that leaves much to be desired – although you can position both fields and their labels anywhere on the screen, you can't even add simple graphics such as boxes. *InterBase* does let you tinker around with the layout a bit, but it's hardly up to the sort of standards that Amiga users demand.

For a package that offers so much, £50 may seem like very good value, but integrated packages are nothing new now that the Amiga has matured. It's unfortunate some packages are called integrated systems when they are only a compilation of old software. The only true integrated business packages available for the Amiga are Europress' *Mini Office* and MSS' *The Works!*.

At the end of the day, however, we should judge InterOffice on the strength of the programs that it offers, but even here it doesn't quite cut it. There's nothing really wrong with the three programs, but there are better compilations available. If you're in the market for such a package, you're better off spending £70 on *Gold Disk Office* – for your extra money you not only get a superior word processor, spreadsheet and database, but a very capable desktop publishing program to boot.

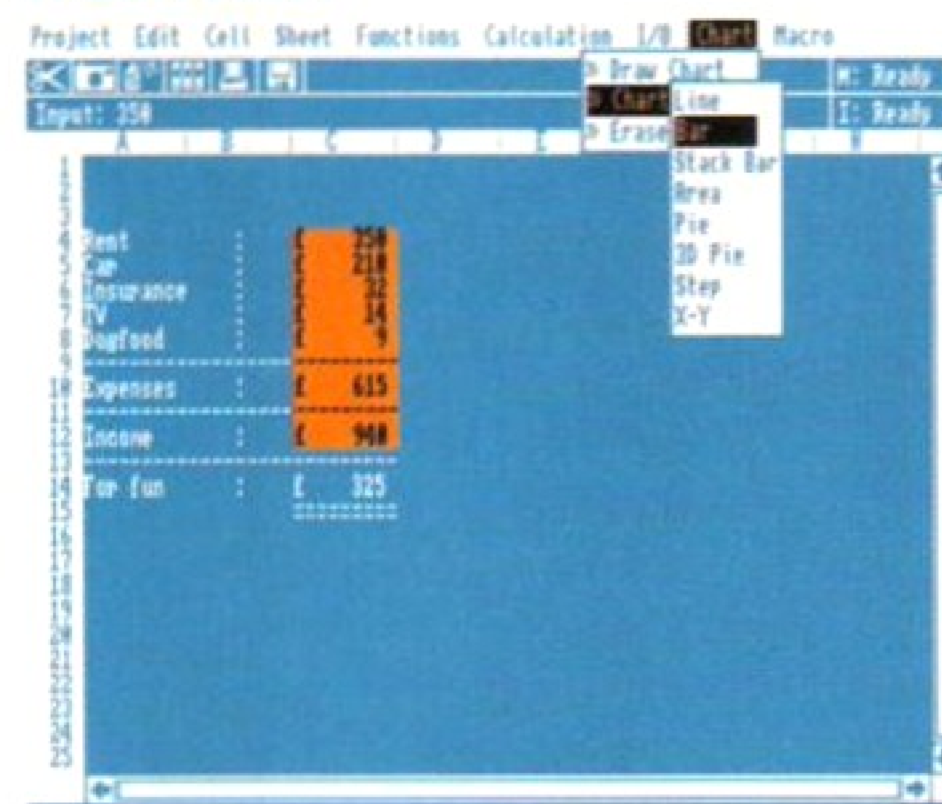
The InterOffice modules

WORD PROCESSOR



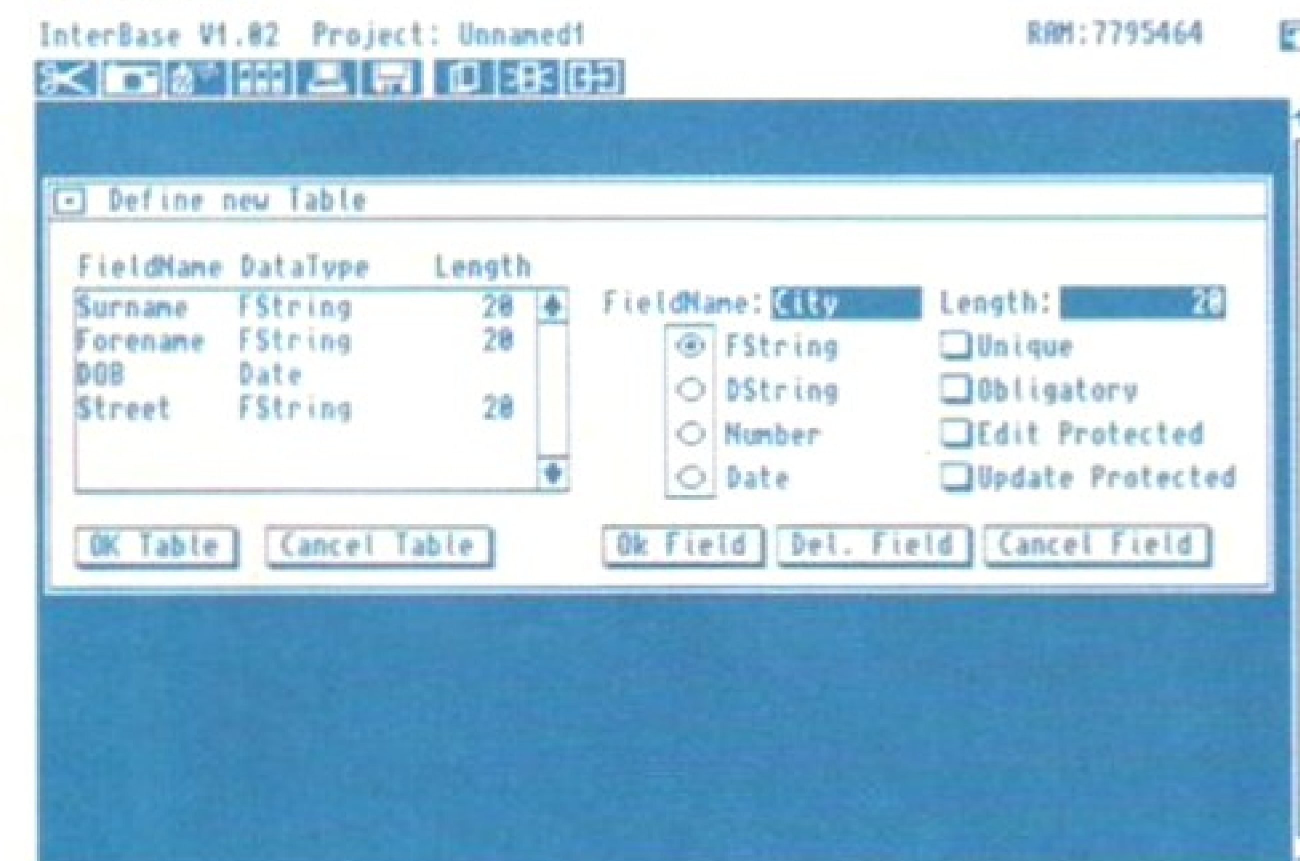
***InterOffice*'s word processor is a fairly well-endowed text processor that sacrifices the more cosmetic graphics functions of word publishing programs such as Digita's *Wordworth* for raw text-editing power. Although it does not include a thesaurus, *InterWord* offers a comprehensive 137,500-word spelling checker and several quite powerful word processing functions such as soft hyphenation and index generation. For pure word processing tasks, *InterWord* is very good indeed.**

SPREADSHEET



***InterOffice*'s spreadsheet is a fairly powerful character too. Offering over 60 mathematical functions that covers scientific, trigonometry, calculation of annuities dates. Each and every cell can contain a number, a string of characters or a formula built up from any combination of the functions on offer. *InterSpread* can also generate charts too – there's a total of eight different types on offer ranging from pie charts to stack and line graphs.**

DATABASE



The weak link in *InterOffice* has to be its database program, *InterBase*. Although *InterBase* can handle most people's requirements, a rather quirky frontend makes it unfriendly. *InterBase* can handle four basic types of data – strings, dynamic strings, numbers and dates – although its built-in forms designer does allow IFF images to be attached to individual records, adding an extra dimension to your database.

InterOffice

SPEED ●●●●
The programs work at a very acceptable rate and their user interfaces are responsive.

DOCUMENTATION ●●●
Comprehensive, but the *InterOffice* manuals are about as readable as a British Rail timetable!

ACCESSIBILITY ●●
The word processor and spreadsheet programs are easy to use, but the database is a pig.

FEATURES ●●●
None of the programs offer anything breathtaking. They get the job done but that's it.

VALUE ●●●
£50 for three programs is good value, but there are better packages of this type available.

AMIGA FORMAT Verdict **68%**

OPEN ALL HOURS

WELL, NEARLY!
9am-10pm Mon-Sat
10am-6pm Sunday

AMIGA COMPUTERS

A500+ Cartoon Classics	£199.00
A600 Wild Weird Wicked	£229.00
A600 HD Epic Pack	£349.00
A1200	£389.99
A1500/A2000	£ phone
A3000	£ phone
A4000	£ phone
Monitor	£195.00

RAM & DISK DRIVES

External Disk Drive	£55.00
A570 CD Rom + software	£149.00
A500 int drive	£49.00
A500 512k no clock	£18.95
A500 512k + clock	£23.50
A500 + 1meg exp	£33.95
A600 1meg + clock	£44.00
A500 1.5meg	£79.00
A500 8meg, 4 fitted	£169.00
Star LC20	£133.00
Star LC24-10	£199.00
GVP 42meg	£299.99
GVP 80meg	£369.99

PRINTERS & RIBBONS

Star LC100 Colour	£169.00
Star LC200 Colour	£194.00
Star LC24-200 Colour	£274.00
LC100 mono ribbon	£4.50
LC100 colour ribbon	£6.75
LC24 200 mono ribbon	£5.50
LC24 200 colour ribbon	£13.50
LC20 mono ribbon	£4.50

LEADS & CABLES

Printer	£3.99
Null Modem	£5.99
Joystick Extender 3 metre	£3.99
Joystick/Mouse Extender	£3.99
Amiga to SCART	£7.99
4 Player - SPECIAL -	£2.99
Analog Joystick Adapter	£4.99

LOOK! LOOK! LOOK!

TRACTORFEED DISK LABELS

Now you can print your own professional disk labels! 500 Plain white disk labels on tractor feed, complete with FOUR disks of software and artwork.

Yours for ONLY **£9.95**

1000 Labels with software

ONLY £13.50

SPECIAL OFFERS!!

AVAILABLE NOW:

AMIGA MODULATORS
ONLY £19.50

A500 POWER SUPPLIES
ONLY £29.99

4 PLAYER ADAPTERS
ONLY £2.99

HURRY WHILE STOCKS LAST

DISKS & LABELS

All disks are supplied with labels. UNBRANDED DISKS are 100% error free. In the unlikely event that any of our disks are faulty, then we will replace the disks **AND** reimburse your return postage!

3.5" DSDD	£0.37 each
3.5" Rainbow	£0.44 each
3.5" DSHD	£0.58 each

Why not try our BRANDED disks! Supplied in boxes of 10 disks.

3.5" DSDD Fuji	£4.90
3.5" DSHD Xerox	£8.90
5.25" DSDD Fuji	£2.50
5.25" DSHD Fuji	£4.90
1000 3.5" labels	£6.50
1000 3.5" tractorfeed	£8.50

STORAGE BOXES

Our high quality disk storage boxes are constructed from high impact plastic and have smoked perspex tops. Or for space saving economic storage of large disk collections, why not try our stackable disk drawers.

Most types are available for 3.5" or 5.25" disks.

10 capacity	£0.95
40 capacity	£3.49
50 capacity	£3.95
100 capacity	£4.50
80 capacity Banx drawer	£8.49
150 capacity Posso drawer	£14.99
200 capacity drawer	£22.50

MISCELLANEOUS

Mousehouse	£1.80
Mousemat 9mm thick	£2.50
Diskdrive cleaner	£1.80
A500 Dustcover	£3.50
A600 Dustcover	£3.50
A1200 Dustcover	£3.50
Monitor Dustcover	£3.50
LC20 Dustcover	£3.50
LC100 Dustcover	£3.50
LC200 Dustcover	£3.50
LC24-200 Dustcover	£3.50
Roboshift	£13.95
Amiga Lightpen	£32.00
Optical Mouse	£32.00
Megamouse	£12.95
Primax Mouse	£12.95
Itsa Mouse	£12.95
Altadata Trackball	£26.95
Crystal Trackball	£32.00
Zydek Trackball	£25.95
Zyfi Amp/Speakers	£37.50
Action Replay Mk III	£56.95
Technosound	£32.00
Midi Master	£26.00
Tilt/Turn Monitor Stand	£9.95
2-piece Printer Stand	£3.49
A4 Copyholder	£4.99
ROM Sharer	£14.95
V1.3 ROM	£25.95
V2.04 ROM	£35.95
Micropert Tractorfeed Paper: 500 sheets	£4.50
2000 sheets	£13.00

JOYSTICKS

All joysticks have autofire feature except those marked *.

Trigger Grip Models	
Quickshot turbo	£6.95
Python 1M	£7.99
Jetfighter	£12.00
Topstar	£19.50
Intruder	£21.50
Base Fire Button Models	
Maverick 1M	£12.95
Megastar	£21.50
Zipstick	£12.95
Comp Pro 5000*	£10.95
Comp Pro Extra	£12.95
Comp Pro Star	£12.95
Cruiser Multicolour*	£9.95
Comp Pro Star MINI	£14.95
Aviator 1 Flightyoke	£23.50
Handheld Models	
Speedking	£10.50
Navigator	£13.95
Bug	£12.00

ANALOG JOYSTICKS

These Joysticks will fit any Amiga

Warrior 5	£14.95
Sniper	£16.95
Speedking Analog	£13.95
Intruder 5	£25.50
Aviator 5 Flightyoke	£27.50

Adapter to use any PC analog joystick on an Amiga ....ONLY £4.99

COMPUTER SUPPLIES **Direct**

HOTLINES:
0782 206808 · Anytime
0782 642497 · 9.00am-5.30pm Weekdays
0630 653193/0782 320111 · Evenings & Weekends





BUSINESS HOURS
9am to 10pm Mon-Sat, 10am to 6pm Sun
All items and offers subject to availability. E&OE
P&P £3.30 All Prices inc VAT
We accept POs, cheques & credit cards

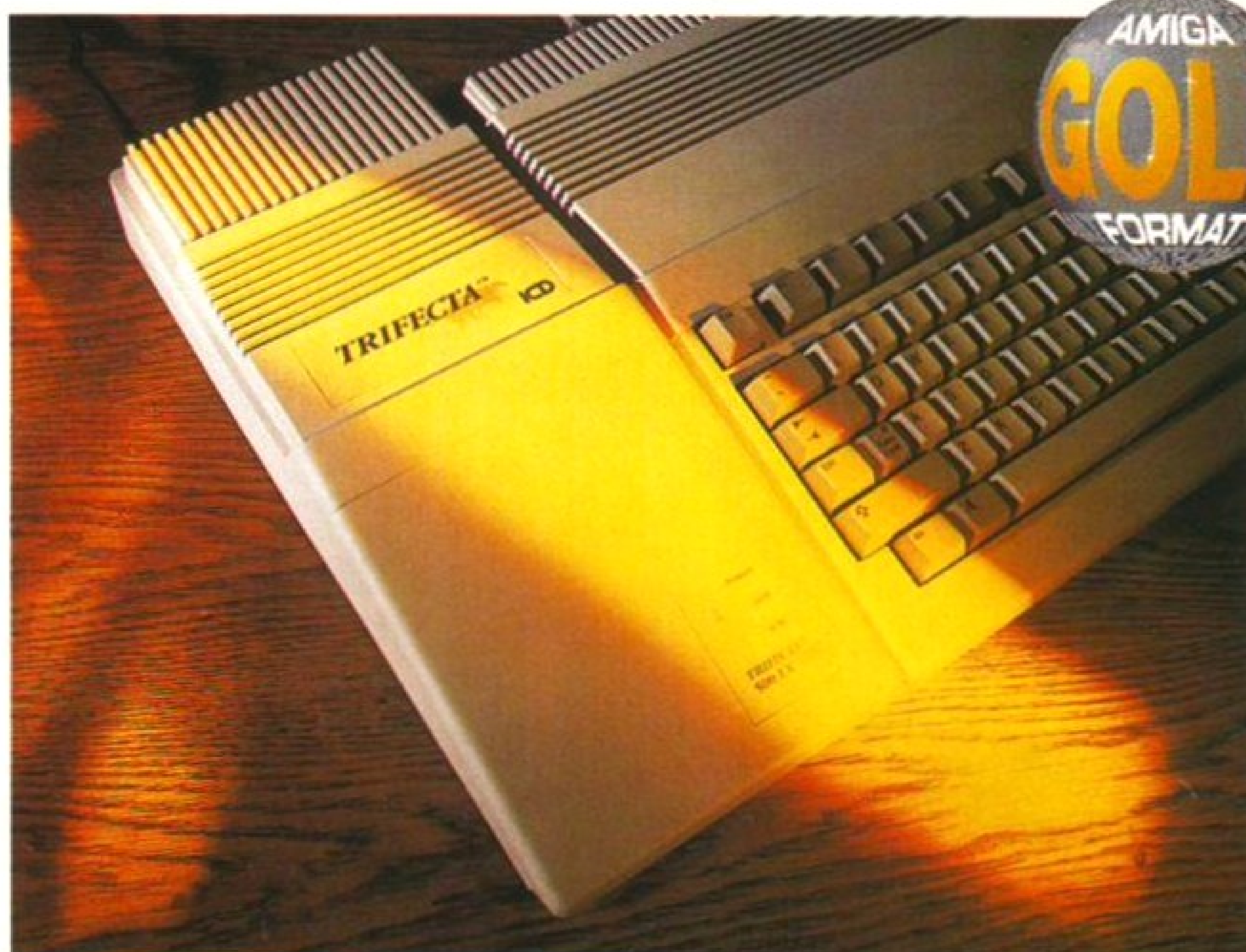




BUSINESS AND EDUCATION ORDERS WELCOME

DIRECT COMPUTER SUPPLIES 36 HOPE ST, HANLEY, STOKE ON TRENT ST1 5BS

GVP have got some stiff competition from ICD in the hard drive department, as **Pat McDonald** has found out...



Trifecta 500 LX

Hard drive /80Mb £239/160Mb £359/200 £459 ■ ICD

THE TRIFECTA IS the only A500 drive that contains a SCSI 2 interface. Usually, an A500 hard drive like this contains a SCSI controller to make it work, a SCSI drive to store data on, a SCSI port to connect extra hard drives, and a memory expansion (which is memory added to the computer – the hard drive doesn't store it).

ICD have added some extras to the Trifecta – it has an IDE controller, and you can use IDE type hard drives (either 2.5 or 3.5-inch) instead of a SCSI drive. Better still, you can plug in SCSI 2 hard drives, which are faster than standard SCSI types. SCSI 2 drives are also available in much bigger sizes than either SCSI or IDE. So all three major current hard drive types can be used by this expansion.

In terms of numbers, IDE lets you have two hard disks connected, SCSI permits seven and SCSI 2 can have 15. In theory, you could store incredible amounts of data with this system. In practice, this means an awful lot of plugs, cables and money. Oh yes, ICD have put a Mini-Slot inside the board, so if you want to plug in a GVP PC-286 PC emulator (normally only possible on a GVP hard drive), then it will work on a Trifecta.

Adding RAM to the Trifecta differs to similar products. Instead of plugging in SIMM modules, it uses ZIP chips. I'm not fond of ZIPs, because they are very sensitive to static. If you ever need to add RAM to this drive, it's wise to get somebody experienced to do it for you. There are two manuals, one for the hardware, and one for the software. They are thorough, but a bit confusing. This is because they detail an awful lot of information for the different configurations, and so not all the information is relevant for one system. Better too much information than not enough, though.

TRIFECTA 500 LC is available from Power Computing on 0234 843388

A hard drive like the Trifecta it can save you serious amounts of loading and saving time, plus more and more games now are hard disk installable.

Luckily the Trifecta isn't just for the benefit of A500 owners, it will also fit into an A2000 or A1500.



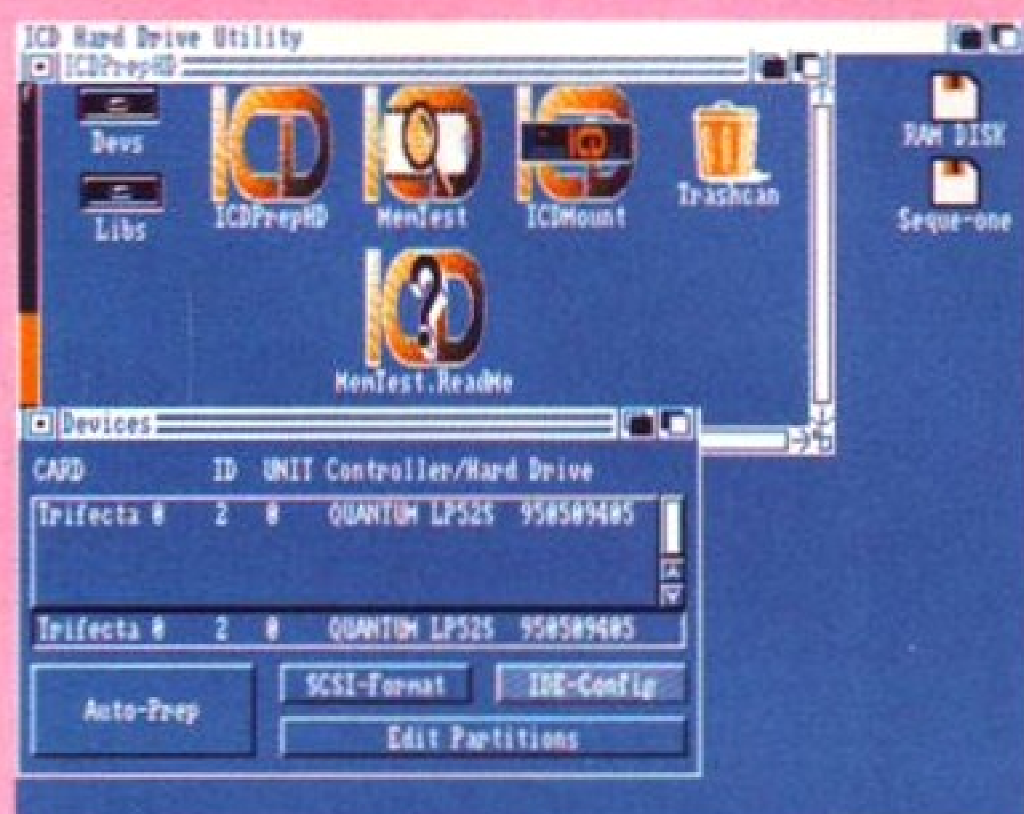
This hard drive does not have Workbench on it because ICD don't know whether you have Workbench 1.3 or 2.04. So you have to format the drive and put Workbench on to it yourself. How you do this is well detailed, and the manual even tells you how to have both Workbenches available, assuming you have two different Kickstart chips.

The physical aspects of the drive are good, but not perfect. The case is contoured to match the style of the computer, but it overhangs the back of an A500 or A500 Plus by about three inches. The construction of the circuit board is SMT, which (in theory at least) means reliability and longer life. A universal power unit is supplied, which means you can power the hard drive just about anywhere in the world.

Two switches are provided on the back of the hard drive. One controls whether the hard drive autoboots or not. The other determines whether the memory inside the Trifecta is added to the Amiga's total memory or not. These switches (common on hard drives but not always found) are useful for getting software to run that either doesn't like the hard drive or the memory.

ICD have always made good expansions for niche markets. The Trifecta continues this tradition, especially if you want to connect more than just SCSI hard drives to your system. AF

TRIFECTA CARDS (80Mb £239/160Mb £329)



Bung an ICD Trifecta in your A2000, insert the floppy disk and you'll be confronted with this screen.

If you have an A1500 or A2000, you'll be pleased that ICD do the Trifecta on a card expansion for those machines. This costs £139 for a bare card, or £239 with an 80Mb hard drive. The card does not work on an A3000 or A4000, but gives some impressive potential to the old time, serious user.

The board looks similar to the one inside the A500 version's case, but there are a couple of differences. For a start, there's no power supply – for another, no Mini Slot. However, it does exactly the same job and operates in the same way.

The Trifecta is also available in a 'cut down' version – the Trifecta EC. This costs about £50 less than the LC units, but only has IDE and memory expansion potential. There is an upgrade kit (basically a couple of chips and a SCSI cable) which offers the potential of the full LC version. Both LC and EC versions are available for the A500 external and the A1500/A2000 Trifectas. This upgrade kit is specific to each version – the SCSI controller chips are different for the two versions.

Trifecta 500 LC

SPEED ●●●●●
SCSI 2 is the fastest hard drive standard you can get – and the other's are nippy too.

DOCUMENTATION ●●●●
Quite detailed but both the A2000 and A500 versions are included – can be a little confusing.

ACCESSIBILITY ●●●●●
Very good set-up utilities and various examples are included.

FEATURES ●●●●●
No other hard drive can do quite what this one can. Plenty of extras

VALUE ●●●●
Outstanding really, considering the potential of the machines.



92%

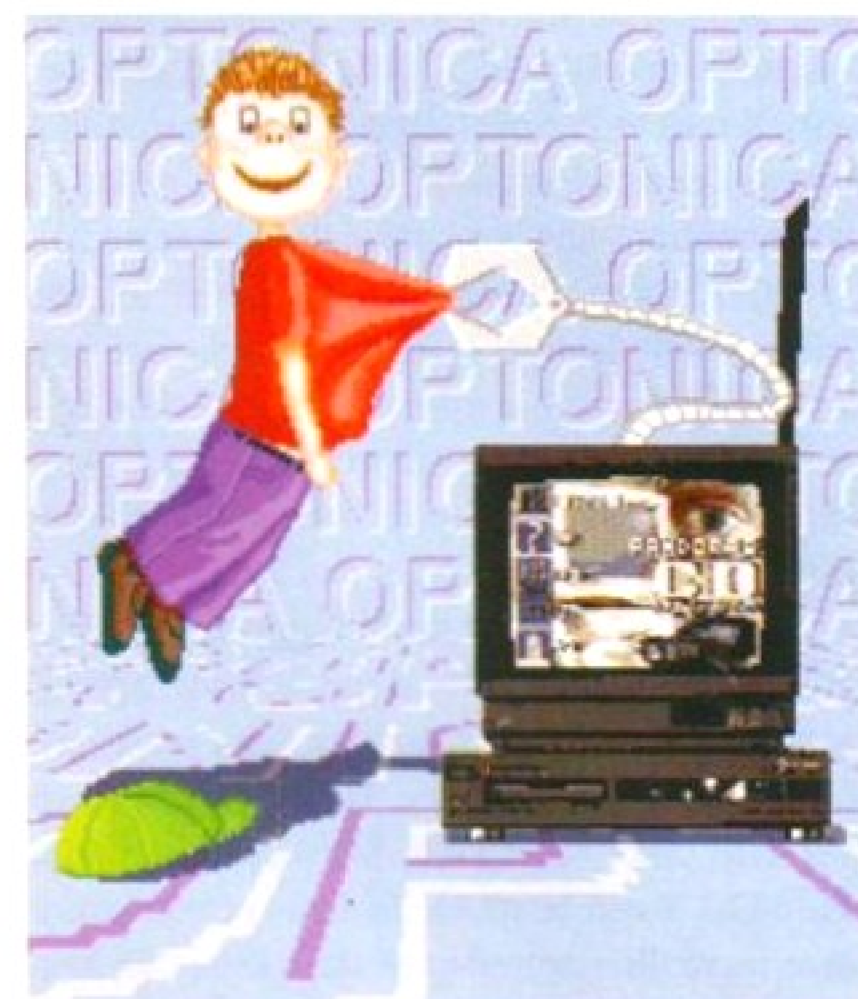


Richard Baguley investigates a multimedia CD that contains over 2,000 pieces of clip art and 99 different sounds. And it's all available for under fiver.

PANDORA'S CD is available from Optonica on 0455 558282



If you want to know where to find interesting modern statues in Milton Keynes, the *Point of Information* demo about the town could be useful.



A still from the rather good animated intro sequence, where a young boy is initiated into the dark rites of CDTVism.

Pandora's CD

Multimedia ■ £4.99 ■ Optonica

MULTIMEDIA IS ONE of these things that is constantly being touted as the Next Big Thing, but never really seems to arrive. However, despite its lack of general acceptance, several companies have been quietly working with this medium. Among these are Optonica, who have been producing both multimedia products and software for the past few years now.

This disk is basically a promotional exercise for the company, but don't let that put you off. It's divided into two sections, the first (and probably the most useful) of which is the clip art section, which contains over 2,000 pieces of colour clip art, with subjects ranging from electric ovens to toilets. Most of these are fairly simple, but they could be useful either in their own right or as a basis for creating your own drawings.

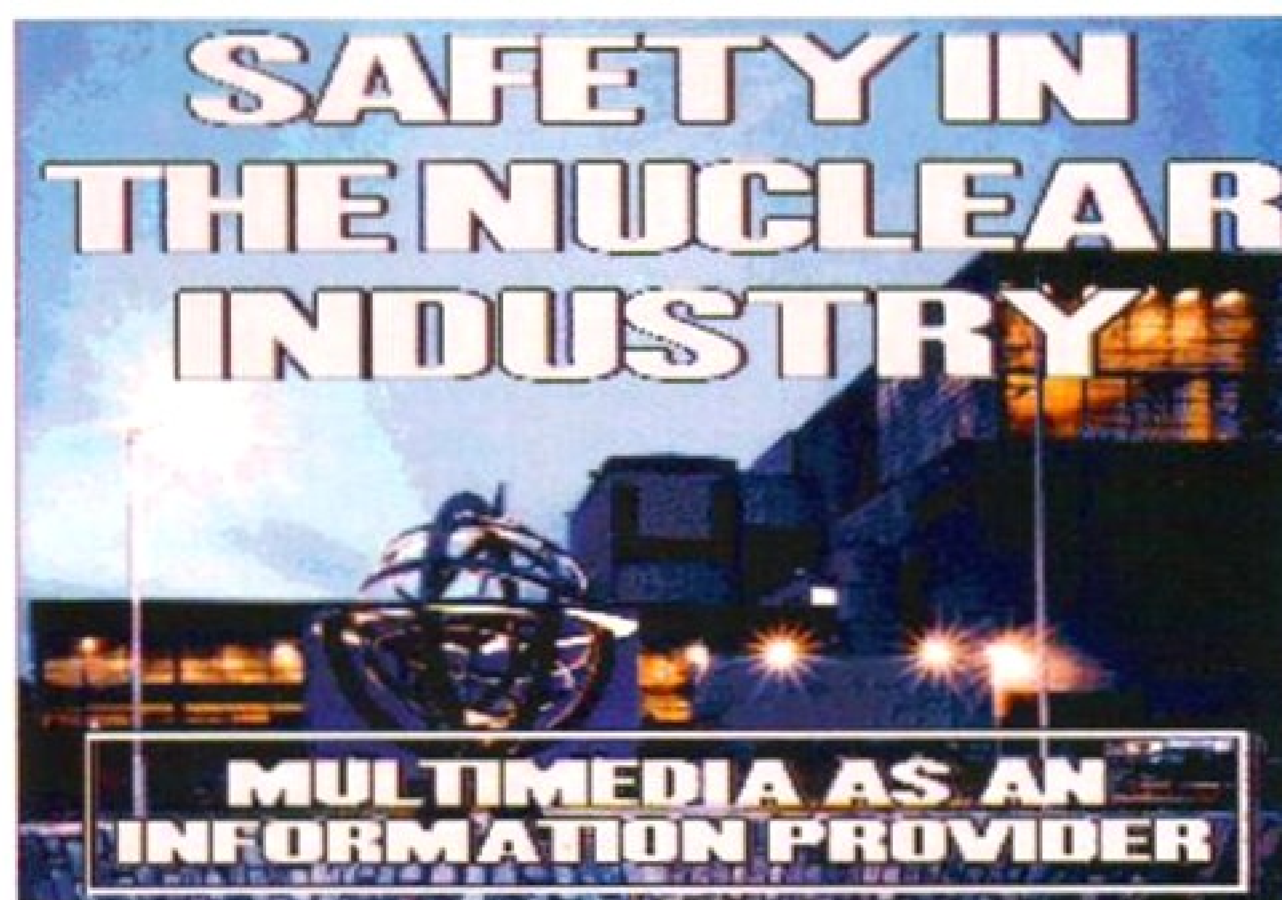
Various images are also on the disk, with 26 textures suitable for using in ray tracing and a variety of scanned photographs of subjects that range from people to helicopters. Also included are 99 sounds of various types – from aerosols to wind. All of these are saved as standard IFF files, so you can copy them straight off Workbench, although the CD includes software which enables you to view and save the files to floppy disk by pressing one button. There are four *SoundTracker* songs included on the disks, which cover a variety of styles. Although these are not overly inspiring, some of the accompanying graphics are nice, including a rather good 15Mb *Vista* produced animation.

The other part of the disk contains six demonstration multimedia programs on such diverse subjects as safety precautions for nuclear power stations and Milton Keynes. None of these are particularly huge, but they're all well thought out and show the sort of thing you can do with multimedia concepts and the vast storage space of a Compact Disc. They all include digitised speech and graphics, and some include 1/4 screen video, which is rather effective, especially in the *Insight Technology* demo.

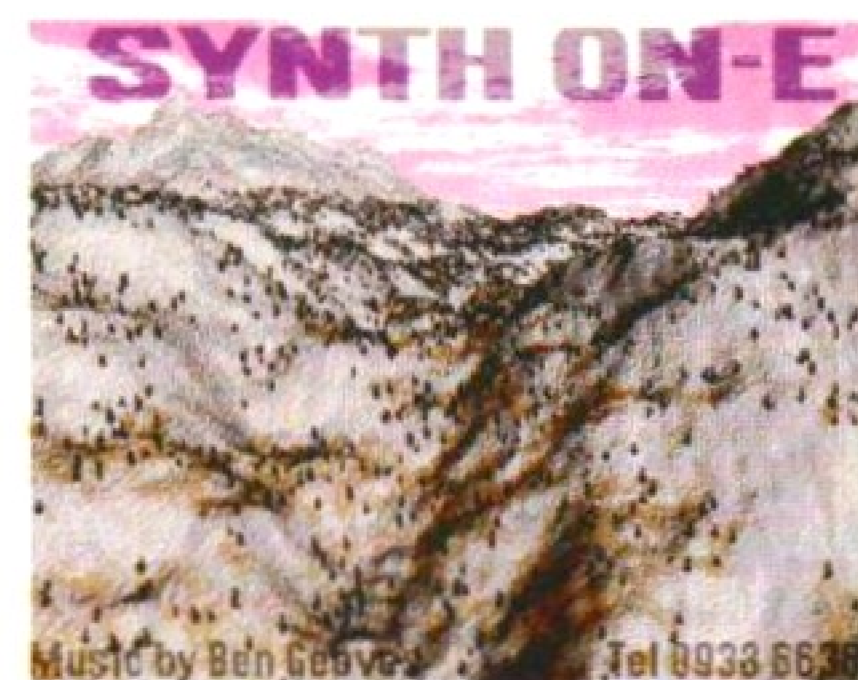
If you're interested in what multimedia can do, and you want a good selection of clip art images, then this disk is well worth investigating. After all, for £4.99, how can you possibly go wrong?



A still from one of the educational games on the disk. This is accompanied by an embarrassing voice saying 'How many plums can you see?'.



Now I could put something witty in here about nuclear power and safety. But instead, I'll just say this is from one of the multimedia demos on the disk.



Four music tracks are included on the CD, including one called *Synth on E's* which has an accompanying 15Mb *Vista* animation.

Pandora's CD

It's a good demo CD, and over 2,000 clip art images and 99 sounds can't be bad for a fiver. Some of the interactive multimedia programs are quite interesting, if you're lucky *(sorry? – Ed)* enough to live in Milton Keynes.



87%

0908 379550 DIRECT

- Football Crazy £12.99
- Lure of the Temptress £14.99
- Robocop 3 .... £14.99
- Super Fighters £14.99
- Chuck Rock £7.99
- Jimmy White Snooker £14.99
- Dune £14.99
- Dream Team £14.99
- Epic £14.99
- Jaguar XJ220 .... £9.99
- Thunderhawk £9.99
- WWF2 - Euro Rampage £14.99
- First Samurai £7.99
- Continental Circus £5.99
- Lemmings 2 .... £14.99
- Lion Heart £17.99
- Curse of Enchantia £12.99
- Civilisation £19.99
- Doodle Bug £10.99
- Amos Professional £39.99
- Darkmere £14.99
- Nigel Mansell's Grand Prix £14.99
- Body Blows £16.99
- Federation of Free Traders £5.99
- Sim City/Populous £14.99
- Premier Manager £15.99
- 4D Driving £5.99
- Hunt for Red October 2 .... £5.99
- Spritz Paint £5.99
- Bombozal £5.99
- Kick Off 2 .... £5.99
- Player Manager £5.99

BLANK DISKS

100% CERTIFIED FULLY GUARANTEED

20 .... £8 100 .... £30
50 .... £17 250 .... £70

(PLEASE ADD £3.00 P&P ON ALL BLANK DISK ORDERS)

FOOTBALL CRAZY

KICK OFF 2/PLAYER MANAGER/FINAL WHISTLE
ONLY £9.99

HEIMDALL ONLY £9.99

AUNT ARCTIC ADVENTURE	£5.99	FIGHTER JOYSTICK	£5.99
PAPERBOY 2	£6.99	(FULLY MICROSWITCHED, 2 FIRE BUTTONS)	
CONTINENTAL CIRCUS	£5.99	PREDATOR 2	£5.99
RED HEAT	£5.99	JOHN BARNES FOOTBALL	£9.99
FLIGHT OF THE INTRUDER	£9.99	DOJO DAN	£5.99
ARKANOID REVENGE OF DOH	£5.99	MOUSE MATS	£2.00

LANGUAGE LEARNING PACK

- SPANISH TUTOR RRP £19.99
- FRENCH MISTRESS RRP £19.99
- GERMAN MASTER RRP £19.99
- ITALIAN TUTOR RRP £19.99

ALL 4 FOR ONLY £19.99

EDUCATIONAL

- SHAPES AND COLOURS £5.99
- FIRST LETTERS £5.99
- TELLING THE TIME £5.99
- THINGS TO DO WITH NUMBERS £5.99
- SPELLBOOK £5.99

ZYDEC EXTERNAL DRIVE £49.99

10 GREAT GAMES £9.99

LEMMINGS 2 ONLY £14.99

BUY ANY THREE £5.99 GAMES FOR ONLY £15.00 !!

SOME GAMES MAY NOT YET BE AVAILABLE BUT WILL BE SENT ON DAY OF RELEASE.

- A320 Air Bus 21.99
- Addams Family (1 Meg) 15.99
- ADI English (11-12) 18.99
- ADI English (12 -13) 16.99
- ADI Maths (11-12) 15.99
- ADI Maths (12-13) 16.99
- Agony 10.99
- Air Bucks 17.99
- Air Support 16.99
- Alien Breed (Special Edition) (1 Meg) 8.99
- Amos Easy (First Steps to Programming) 22.99
- Amos Professional (The Ultimate Amiga Progamming Tool) 44.99
- Apidya 16.99
- Aquatic Games 19.49
- Archer MaClean's Pool 17.99
- Arkanoid 2 .... 8.49
- Armalyte 3.99
- Armour Geddon 2 .... 19.49
- Ashes of the Empire 23.99
- Assassin (1 Meg) 17.49
- B17 Flying Fortress 22.99
- Batman the Movie 8.49
- Battle Isle (NOP) 19.99
- Battle Isle Data Disk 14.99
- Beach Volley 8.49
- Bill's Tomato Game 15.99
- Black Crypt 10.99
- Blues Brothers 8.99
- Business Pack for Amiga - Wordworth Word Processing, K-spread 2, Spreadsheet and K-Data Database 64.99
- Captive 8.99
- Castles (1 Meg) 19.49
- Castles Data Disk 11.99
- Caesar 19.49
- Celtic Legends 19.99
- Championship Manager 12.99
- Chaos Engine 19.99
- Chart Attack (Lotus, Esprit, Ghouls 'N' Ghosts, James Bond, Venus the fly trap) 19.49
- Chuck Rock 8.99
- Civilization 22.99
- Cool World 14.99
- Crazy Card 3 .... 16.99
- Creepers 19.49
- Curse of Enchantia 17.99
- Curse of the Azure Bond (1 Meg) 17.99
- Cyber Assault (Light PhazerGame) 9.99
- C-Ytron 18.49
- D-Generation 10.99
- Dark Queen of Krynn (1 Meg) 21.99
- Darkmere (1 Meg) 15.49
- Death Knights of Krynn (1 Meg) 19.99
- Doodlebug 13.99
- Dune 19.99
- Dungeon Master & Chaos Strikes Back (1 Meg) 19.49
- Dyna Blasters 19.99
- Elvira 2 - Jaws of Cerberus(1 Meg) 22.99
- Espana - The Games 92 (1 Meg) 19.49
- Exile 18.49
- Eye of the Beholder (SSI)(1 Meg) 19.99
- Eye of the Beholder 2 (1 Meg) 23.99
- F16 Strike Eagle 2 (1 Meg) 14.99
- F19 Stealth Fighter 14.99
- Fables & Fiends-Legend of Kyranda 19.99
- Falcon Classic Collection £9.99
- Fantastic Worlds (Realms, Pirates, Mega Lo Mania, Populous, Wonderland) 22.99
- Final Fight 16.99
- Fire & Ice 16.99
- Flame of Freedom (Midwinter 2) .... -
- Floor 13 .... 19.49
- Formula 1 Grand Prix 23.99
- Fun School 2 (2-5) 7.99
- Fun School 2 (6-8) 7.99
- Fun School 2 (8+) 7.99
- Fun School 3 (2-5) 16.99
- Fun School 3 (5-7) 14.99
- Fun School 3 (7+) 16.99
- Fun School 4 (2-5) 16.99
- Fun School 4 (5-7) 16.99
- Fun School 4 (7+) 18.99
- Gauntlet 2 .... 7.99
- Golf World Class Leaderboard 7.99
- Graham Taylor's Soccer Manager 18.99
- Gunship 2000 .... 21.99
- Guy Spy 19.49
- Harlequin 12.99
- Head Over Heels 8.49
- Head Over Head 21.99
- Heart of China (1 Meg) 22.99
- Handball (1 Meg) 11.99
- Heroquest + Data Disk 19.49
- Hitch Hikers Guide 8.99
- Hollywood Collection (Robocop, Ghostbusters 2, Indiana Jones Action, Batman the Movie) (NOP) 9.99
- Home Alone 16.99
- Hook 15.99
- Humans 17.99
- IK+ 8.49
- Indiana Jones 2 Adventure (Fate of Atlantis) 23.99
- Indiana Jones Adventure 9.99
- Indy Heat 16.99
- International Rugby Challenge 17.49
- International Sports Challenge 10.49
- Ishar - Legend of the Fortress 15.99
- Jack Nicklaus Golf 6.99
- Jaguar XJ520 (1Meg) 14.99
- James Pond 7.49
- James Pond 2 - Robocod 18.99
- Jimmy White Snooker 14.99
- John Barnes European Football 16.99
- John Maddens (UB) football 16.99
- KGB 19.99
- Kick Off + Extra time disk (NOP) 3.99
- Kick Off 2 (1Meg) 8.99
- Kick Off 2 .... 9.99
- Kick Off 2 Final Whistle 9.99
- Kick Off 2 Giants of Europe 7.99
- Kick Off 2 Return to Europe 7.99
- Kick Off 2 Winning Tactics 7.99
- Kick Off 3 .... 16.99
- Kind Words 3 Word Processor 29.99
- Knightmare 19.99
- Knights of the Sky (1 Meg) 32.99
- Leander 10.99
- Lemmings 12.49
- Lemmings 2 .... 20.99
- Lemmings Data Disk - Oh No! 9.99
- Lethal Weapon 18.99
- Lombard RAC Rally 8.49
- Lotus 3 - the Final Challenge 17.49
- Lotus Turbo Challenge 2 .... 11.99
- Lure of the Temptress 19.99
- Manchester United Europe 9.99
- Mega Sports (Summer games 1 & 2, Winter Games) 16.99
- Micro English (6 years to GCSE, Conforms to National Curriculum) 19.99
- Micro French (Beginners to GCSE and Conforms to National Curriculum) 15.99
- Micro German (Beginner to GCSE and Business, Conforms to National Curriculum) 18.99
- Micro Maths (11 Yrs to GCSE Conforms to National Curriculum) 15.99
- Microprose 3D Golf 19.99
- Midwinter 15.99
- Mini Office (Word Processor, Spreadsheet, Database, and Disk Utilities programs) 38.99
- Monster Pack 2 (Killing Game Show, Awesome, Beast 2) 13.99
- Motorhead 11.99
- New Zealand Story 8.49
- Nigel Mansell's World Championship 19.49
- Office (Word Processor, Spell Checker, spreadsheet & statistics, Database, Graphics and BasicQTP) 44.99
- Operation Wolf 8.49
- Page Setter 2.0 DTP 34.99
- Pagestream 3.2 DTP 131.49
- Paint 'N' Create (Educational Art Package for Kids over 6 years) 18.99
- Pang 8.49
- Parabol Stars 15.99
- PGA Tour Golf + Courses 19.49
- PGA Tour Golf Course Disk 11.49
- Pinball Dreams (1 Meg) 16.49
- Pitfighter 9.99
- Player Manager 8.99
- Pools of Darkness 21.99
- Populous & Sim City 16.99
- Populous 2 .... 18.49
- Populous 2 (1 Meg) 19.49
- Populous 2 + Data Disk 21.99
- Populous 2 Challenge Data Disk 11.99
- Power Up (Chase H.Q., Turrican, X-Out, Altered Beast, Rainbow Islands) (NOP) 9.99
- Powermonger 19.49
- Powermonger World War 1 Data Disk 11.49
- Premiere 15.49
- Prince of Persia (1 Meg) 9.99
- Pro Tennis Tour 2 .... £10.99
- Project X (1 Meg) £18.99
- Push-Over £16.99
- Puzzle Book 1 .... £5.99
- Puzzle Book 2 .... £5.99
- Quest & Glory (Bloodwych, Midwinter, Cadaver, Bat) £13.99
- Railroad Tycoon (1 Meg) £19.99
- Rampart £15.99
- Raving Mad Compilation £7.99
- Reach for the Skies £19.99
- Red Baron (1 Meg) £22.99
- Rise of the Dragon (1 Meg) £25.99
- Risky Woods £18.99
- Road Rash £19.49
- Robocop 3 .... £14.99
- Rome £19.49
- Roake's Drift £15.99
- Sabre Team £15.99
- Secret of Monkey Island (1Meg) £18.99
- Secret of Monkey Island 2 .... £23.99
- Secret of the Silver Blade (1Meg) £19.99

Sensible Soccer £10.99

- Shadow of the Beast 3 .... £19.49
- Shadowlands £19.49
- Shadoworlds £15.99
- Shuttle £19.99
- Silent Service 2 (1Meg) £22.99
- Sim Ant £22.99
- Sim City & Populous £15.99
- Sim City Ancient Cities £8.99
- Sim City Future Worlds £8.99
- Sim City Terrain Editor £8.99
- Sisco Heat £5.99
- Space Crusade £12.99
- Special Forces £22.99
- Speedball 2 .... £15.99
- Spelling Fair (7-13yrs) £18.99
- Spirit of Excalibur (1Meg) (NOP) £9.99
- Starush £18.99
- Steve Davis Snooker £3.99
- Strategy Masters (Populous, Hunter, Spirit of Excalibur, Chessplayer 2100, Deuteros) £19.99
- Streetfighter 2 .... £18.49
- Striker £18.99
- Super Hero £19.49
- Super Space Invaders £18.99
- Supremacy £18.99
- Sword of Sodan £6.99
- T.N.T (APB, Hard Drivin, Toobin, Dragon Spirit, Xybots) (NOP) £7.99
- Team Yankee £17.99
- Terminator 2 .... £18.99
- The Enforcer (Light Phazer Game) £9.99
- The Lost Treasures of Infocom 1 (20 classic Infocom Titles) £27.99
- The Manager (NOP) £19.99
- Thunderhawk £9.99
- Titus the Fox £9.49
- UGH £15.99
- Ultima 8 .... £12.99
- Ultima 8 (1Meg) £19.99
- Utopia £11.99
- Utopia New Worlds Data Disk £11.49
- Vikings - Field of Conquest £16.99
- Vroom £15.99
- Vroom Data Disk £12.49
- Walker £19.49
- Wheels of Fire (Hard Drivin, Powerdrift, Chase H.Q, Turbo, Outrun) (NOP) £7.99

Wing Commander ... £9.99

- Wiz-Kid £18.99
- Wolfchild £11.99
- WWF Wrestling £14.99
- WWF Wrestling 2 .... £15.99
- Zool (1Meg) £15.99

NAME ....
ADDRESS ....
....
....
....
POSTCODE ....
TELEPHONE ....
ITEM ....
ITEM ....
ITEM ....
ITEM ....
ALL PRICES INC VAT
TOTAL .... £
CREDIT CARD NO:
CARD EXPIRY NUMBER:
....
SIGNATURE ....
TEL: 0908 379550

DIRECT SOFTWARE LTD,
UNIT 3, CROSS KEYS SHOPPING MALL, ST NEOTS,
CAMBRIDGESHIRE
PE19 2AU

DIRECT UNIT 3 • CROSS KEYS SHOPPING MALL • ST NEOTS • CAMBRIDGESHIRE • PE19 2AU
TEL: 0908 379550 *(SHOP PRICES MAY VARY)* VISA Access E&OE

NEW EQUIPMENT SALES

ACS Electronics is an established centre for AMIGA equipment. We specialise in the repair, maintenance and supply of computer hardware. Dedicated to a programme of quality customer care, our established position in the industry enables us to offer you, our customer, a service that we believe to be second to none.

NEW HARDWARE SALES

Amiga A500+			£191.99
A600	1Mb	Alone	£239.00
A600	1Mb	20Mb	£339.00
A600	1Mb	40Mb	£384.00
A600	1Mb	85Mb	£469.00
A1200	2Mb	Alone	£369.00
A1200	2Mb	20Mb	£495.00
A1200	2Mb	60Mb	£535.00
A1200	2Mb	80Mb	£589.00
A1200	2Mb	120Mb	£729.00
A3000	1Mb	VID/1Mb FAST/52 Mb	£999.00
A3000	1Mb	VID/1Mb FAST/120 Mb	£1149.00
A3000	2MB	VID/4MB FAST/52MB	£1149.00
A3000	2MB	VID/4MB FAST/120MB	£1299.00
AMIGA 4000/30-/40			£P.O.A
CALL FOR SPECIAL AMIGA PACK PRICES			
COMMODORE CDTV			£349.00
A600 CONTROL CENTRE			£P.O.A

MONITORS/PRINTERS/PERIPHERALS/CHIPS !
CALL FOR BEST PRICES, REVIEWED WEEKLY.
PRICES INCLUDE V.A.T.
CARRIAGE FREE TO UK MAINLAND.

REPAIR SERVICE

FAST EFFICIENT SERVICE
most repairs are carried out within ONE DAY
QUOTATIONS RATHER THAN FIXED PRICES
fairer to you, and in practice faster to process. Each repair is quoted separately,
no fixed charges full of exclusions, or hidden extras.
REPAIRS FROM £23
FREE CARRIER SERVICE with insurance
FREE 90 day warranty, FREE soak test.
No hidden charges.
FREE diagnostic inspection, FREE software.
OPTIONAL EXTENDED WARRANTY
at competitive rates.
Experienced and qualified engineering and support staff.
5% DISCOUNT
available to students and OAP's.
UNBELIEVABLE UPGRADE FITTED PRICE OF £15 INCLUSIVE
Trade and Education welcome. Dealer pack available on request.



Credit facilities available soon for hardware purchases (subject to status)





WE HAVE MOVED ! TO BIGGER AND MORE ADVANCED PREMISES !

ACS DESIGN WORKS, WILLIAM STREET, FELLING, GATESHEAD NE10 0JP
TEL: (091) 495 0300 (10 Lines) FAX: (091) 4950440

QUALITY REPAIRS

COLOUR KITS for MONO PRINTERS

Ever wished you'd bought a colour printer instead of a mono one? Wouldn't it be nice to print out pictures in colour? Now you can with Atari "FlexiKolor Kit". Each Atari FlexiKolor Kit comes complete with everything you need to print in colour, including superb software. The colour kit is simple to use, the ribbons fit exactly the same way as your black ribbons so it will not affect your guarantee. Also on all models listed below paper alignment is automatic, you do not have to manually align. PRINTS AS GOOD AS COLOUR PRINTER. If your printer is not listed below please phone. Atari FlexiKolor Kits for Star LC10, LC20, all Star 24 Pin. Panasonic 1080/81/1123/1124. Epson FX80, LQ400, LQ800 etc. Citizen 120D+, NEC P6, P6+, Seikosha 1900+. Please note colour kits come complete with coloured ribbons. **COMPLETE KIT £39.95**

FLEXIDUMP PLUS 2
THE COLOUR SOFTWARE FOR YOUR COLOUR PRINTER

* Total colour control
* Balance control for picture enhancement
* Select area to be printed
* Select size to be printed
* Page control
* Colour sieve
* Ink correction
* Automatic poster mode for larger than A4
* Gamma correction (fully adjustable and saveable)
* Spooler for colour letterheads etc
* Multiple copy control
* Colour correction
* Colour/mono catalogue function
* Imports a large range of file types including (IMG) larger than screen size, tiny, Spectrum 512, IFF, Degas, Neo, IFF (Amiga), HAM (Amiga) yes you can even print Amiga pics.
* Colour separation (Print colour on your Bubble Jet)
* Dot pattern control
* Pattern rotate
* Ideal for T-shirt printing
* Now with 'smooth' control, get rid of those jagged edges.
* Large range of dithering (dot pattern) modes.
* Run in any resolution, view, manipulate and print in any other resolution.
* Colour catalogue function will print a miniature of each picture configurable between 1 to 8 across.
* Will drive 9 or 24 pin Star, Citizen Swift, Panasonic, NEC, Epson, Canon etc. The colour pictures possible with this new version will astound you.

STILL ONLY £39.95 inc.
UPGRADE FLEXIDUMP PLUS TO FLEXIDUMP PLUS 2,
ONLY £11.95 inc. RETURN MASTER DISKS

T-SHIRT PRINTING RIBBONS
PRINT ON NORMAL PAPER IRON ON T-SHIRT

4 Colour Citizen Swift	£29.95
4 Colour Citizen Swift (Reload)	£14.95
4 Colour Star LC10	£14.95
4 Colour Star LC200 9 Pin	£19.95
4 Colour Star LC200 9 Pin (Reload)	£12.95
4 Colour Star LC200 24 Pin	£29.95
4 Colour Star 24 Pin (Reload)	£14.95
1 Colour Citizen 120D/Swift	£11.95
1 Colour Star LC10	£11.95
1 Colour Star LC200 9 Pin	£11.95
1 Colour all Star 24 Pin	£11.95
1 Colour Epson FX80/LQ400/MX80	£11.95
1 Colour Epson LX80	£11.95
1 Colour Epson FX100	£11.95
1 Colour Panasonic KXP 1080	£11.95
1 Colour Taxan/Canon 1080A	£11.95
Heat transfer Pens 5 large red/orange/yellow/green/blue, Large pens have a marker size nib	£14.95 a set
Heat transfer Pens 5 small red/orange/yellow/green/blue, Small pens have a fine nib	£11.95 a set

T-SHIRT RIBBONS NOW AVAILABLE IN RED, BLUE, GREEN, BROWN, YELLOW and BLACK AND FOR A WIDE RANGE OF PRINTERS

Phone our order line on 0923 894064

Atari ROM Cartridge takes two 27256 or 27512 EPROMS ... £11.95

ALL PRICES INCLUDE VAT AND CARRIAGE

How to order: Enclose cheques/PO made payable to: CARE ELECTRONICS or use Access/Visa.

MAIL ORDER
CARE ELECTRONICS
Dept AMF, 15 Holland Gardens, Garston, Watford, Herts WD2 6JN





Tel: 0923 894064 Fax: 0923 672102

COLOUR PRINTER RIBBONS

Don't throw away your plastic printer ribbon cases when the ribbon wears out. Just take the top off, take out the old ribbon and reload it with a new one. It's simple. Full instructions supplied.

Reloads for :-

Star LC200 9 Pin 4 Colour (Normal Ink)
1 Reload - £5.99 ... 5 Reloads - £23.95

Star 24 Pin 4 Colour (Normal Ink)
1 Reload - £6.99 ... 5 Reloads - £29.95

Citizen Swift 4 Colour (Normal Ink)
1 Reload - £6.99 ... 5 Reloads - £29.95

Panasonic KXP2180/2123 4 Colour (Normal Ink)
1 Reload - £6.99 ... 5 Reloads - £29.95

Ink ribbons also available in Gold, Silver, Magenta, Orange, Purple, Brown, Green, Blue, Red for a wide range of printers.

Special re-ink for Panasonic printers and Star LC200 9 Pin Black 59ml bottle ... £14.95

HP DESKJET/ CANON BUBBLEJET REFILLS

"CARE THREE PACK" will refill HP51608A Cartridge 3 times. The Canon BC-01/SJ48 Cartridge 3 times. Three Pack available in Yellow, Magenta, Cyan, Red, Blue, Green, Brown, Purple, Black **£14.98 each.** "TRI-COLOUR PACK" 1 refill of Yellow, Magenta and Cyan **£17.95.** "CARE SIX PACK" will refill HP51608A Cartridge 6 times. The Canon BC/01 Cartridge 6 times.

6 BLACK REFILLS ONLY £24.95

Please state type when ordering.

Pat McDonald drives his Amiga to the limits with a hot new piece of hardware.



A4000 owners have the biggest advantage with this drive – they can have removable media drives at around half the price of a SCSI unit and interface.

SyQuest IDE Drive

£500 ■ SyQuest Technology

UP UNTIL NOW, if you wanted to add multiple hard drives to your Amiga, you had to invest in SCSI (Small Computer Systems Interface) based systems. These allow up to seven devices to be daisy chained together, to give huge amounts of storage. SCSI hard drives are expensive, though, compared to other types – and there's another snag.

The trouble is, the new AGA Amigas (A4000 and A1200) don't allow you to connect SCSI drives as standard – they lack a SCSI controller. Instead, they support IDE (Integrated Drive Electronics) type drives. IDE units are cheaper than SCSI drives, although they are generally slower and only allow for two hard disk units to be connected at once.

Luckily, SyQuest have just introduced this unit. It doesn't look particularly special – just like a floppy drive with a slightly larger hole than usual, and an IDE connector at the back. But it doesn't take floppies – it takes hard disk cartridges which can store up to 105Mb each.

These are not magneto optical in nature. Magneto-optical disks are a cross between conventional hard drives and Compact Discs. They use a laser beam to heat up the surface of the disk, leaving a binary code. Then a conventional magnetic head reads the disk. Which means that, although they compare very well with hard disks when reading data, they are much slower when writing data to a disk. This unit does not have that problem at all.

As it is, this IDE drive is only really suitable for use in an A4000. Simply mount it in the spare floppy drive bay, plug it to the IDE connector and use *HDToolBox* to format it. Although, in theory, the same procedure will work on an A1200, in practice the A1200 cannot write data on to the drive consistently. As we went to press, the manual was not available, but if it's as good as the 120Mb SCSI unit's reviewed in *AF* 44, it will be thorough.

A1200 owners will have the option of using this SyQuest. Power Computing plan to produce it in an external version which will be more expensive. So (as usual) the expansion will be more expensive to 'domestic' Amiga owners than for 'serious' Amiga owners. Things haven't changed that much from the A500/A2000 days!

Speaking of the A500 and A2000, owners of those machines can use the SyQuest, but it's going to be a bit of a bodge for the former. The Trifecta (reviewed on page 121) can control the SyQuest IDE drive very well. On the A2000, just put it in the spare floppy bay and connect it to the ICD board. A1500 owners already have two drives, though.

The tricky bit for A500 owners is connecting it to the Trifecta and mounting it – you can't stick it inside a Trifecta (because then you can't swap cartridges) or inside the A500 (because the only place to put it is where the floppy disk drive is). Perhaps Power will also do this drive in an external expansion box for such people, but that wiil depend on demand.

OK, this is a cartridge hard drive (often called a removable media drive). AmigaDOS doesn't really support such units, although the Diskchange command deals with it. Don't expect to throw cartridges in and out of it willy nilly – you need to set up your system to deal with loads of different cartridges.

So it's not a perfect drive, but it wasn't that long ago that a 105Mb hard drive cost as much money. At about £500 (Power have not pinned the pricepoint yet) this unit represents extremely good value for money.

But the most important point is that A4000 owners do not have to shell out for a SCSI interface board just to use removable media drives. In fact, this unit costs about half the price of a SCSI unit plus SCSI interface – and that's got to be good news. This looks like it is the hottest drive to hit the Amiga scene in 1993 – I wonder what other sizes SyQuest are planning?

SYQUEST IDE DRIVE is available from Power Computing on 0234 843388

Syquest IDE drive

SPEED ●●●●●
The fastest removable hard disk that I have ever seen.

DOCUMENTATION ●●●●
Very minimal as yet – but there's no reason why it isn't as good as the last one I saw.

ACCESSIBILITY ●●●●
The only snag is setting up an icon for Diskchange.

FEATURES ●●●●●
Removable media for AGA Amigas – a market niche just got filled.

VALUE ●●●●●
It's much, much cheaper than the equivalent SCSI system.



95%

SEALED CARTRIDGE FORMATS

The main difference between a hard disk and a floppy disk is that a hard disk is vacuum sealed into the drive. This means that airborne rubbish like hair, smoke particles and dust cannot get into the drive. Which means that the heads which read and write information can be positioned to within a tiny fraction of an inch above the magnetic disk.

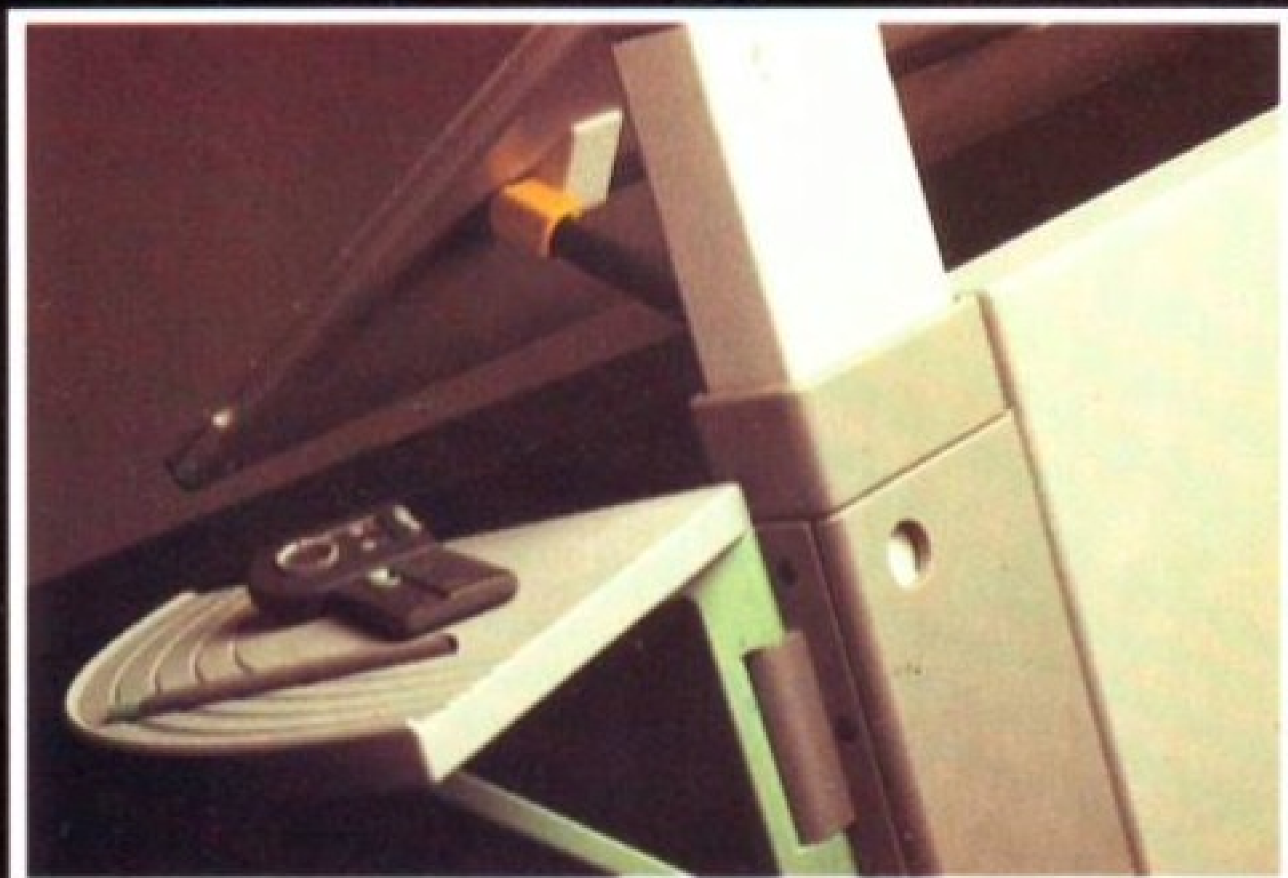
Therefore the data can be written on to a much smaller area of the disk, giving much more storage capacity than a similar sized floppy. One manufacturer (Seagate) likes to use this analogy: imagine a jumbo jet flying one metre above the ground – and counting the blades of grass as it goes.

Removable media drives like this one are the obvious combination approach, and will (in mine and many other people's opinions) become extremely popular within the next five years.

Cartridge formats are like a floppy disk, in that you can put different cartridges in and out of it; and it's like a hard disk, in that you can put many millions of bytes of information on to each cartridge. Syquest are the world leaders in this area.

Don't think that you can mistreat technology like this and get away with it. You cannot use these drives on end or upside down – they tend to wipe cartridges when you do that. Also, when not using a cartridge, it's wise to store it away in its holder, to prevent that airborne pollution from knobbling it.

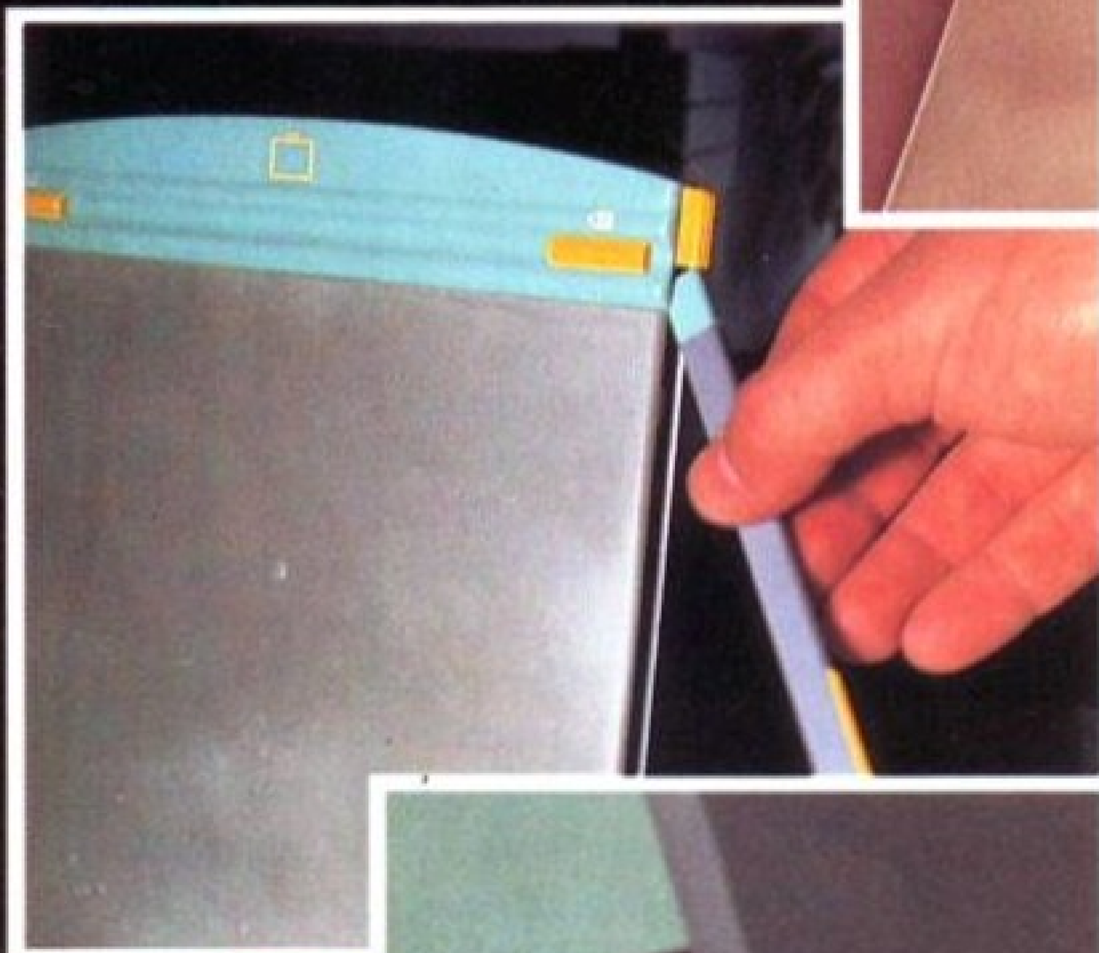
TOMORROW'S MACS

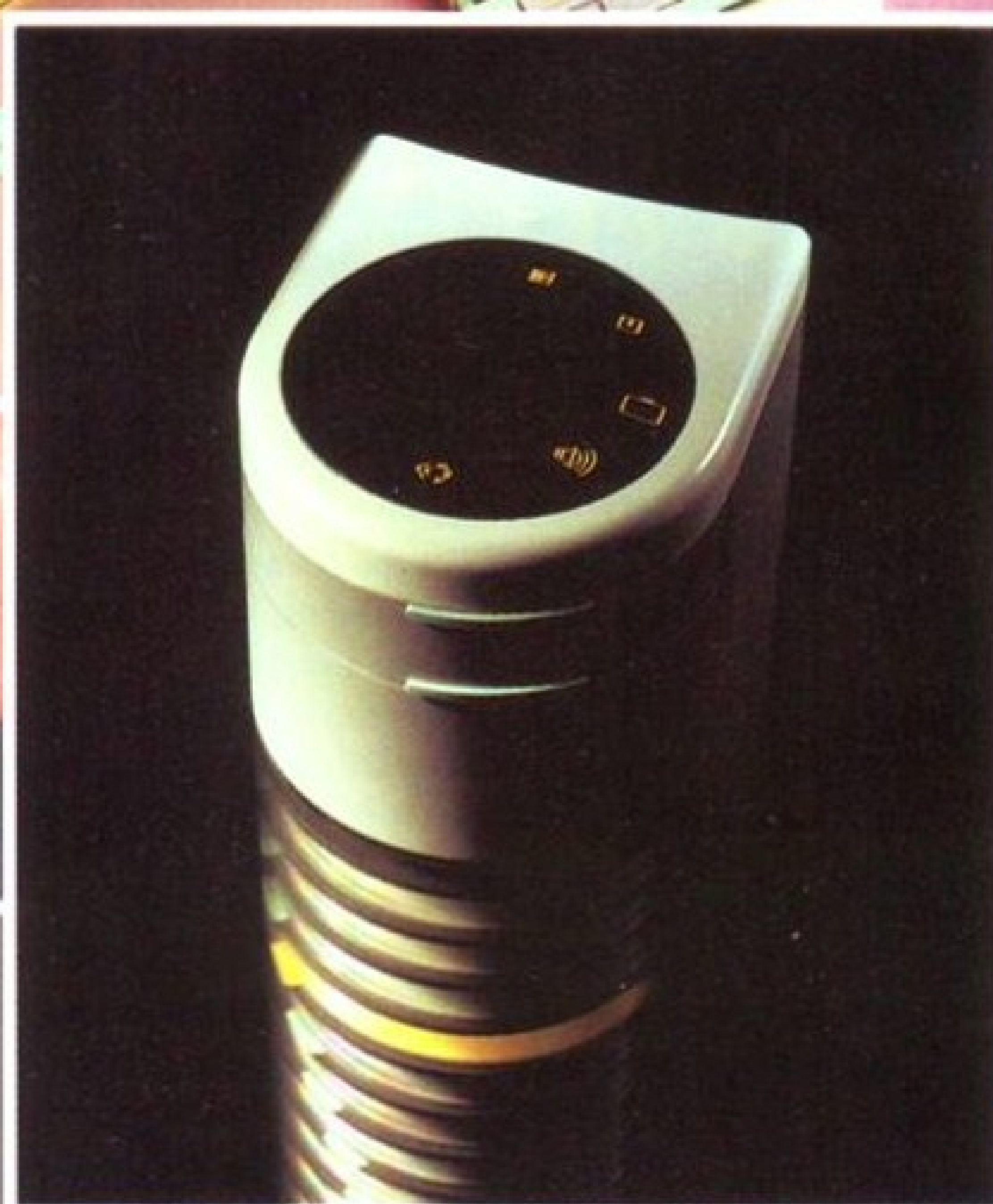






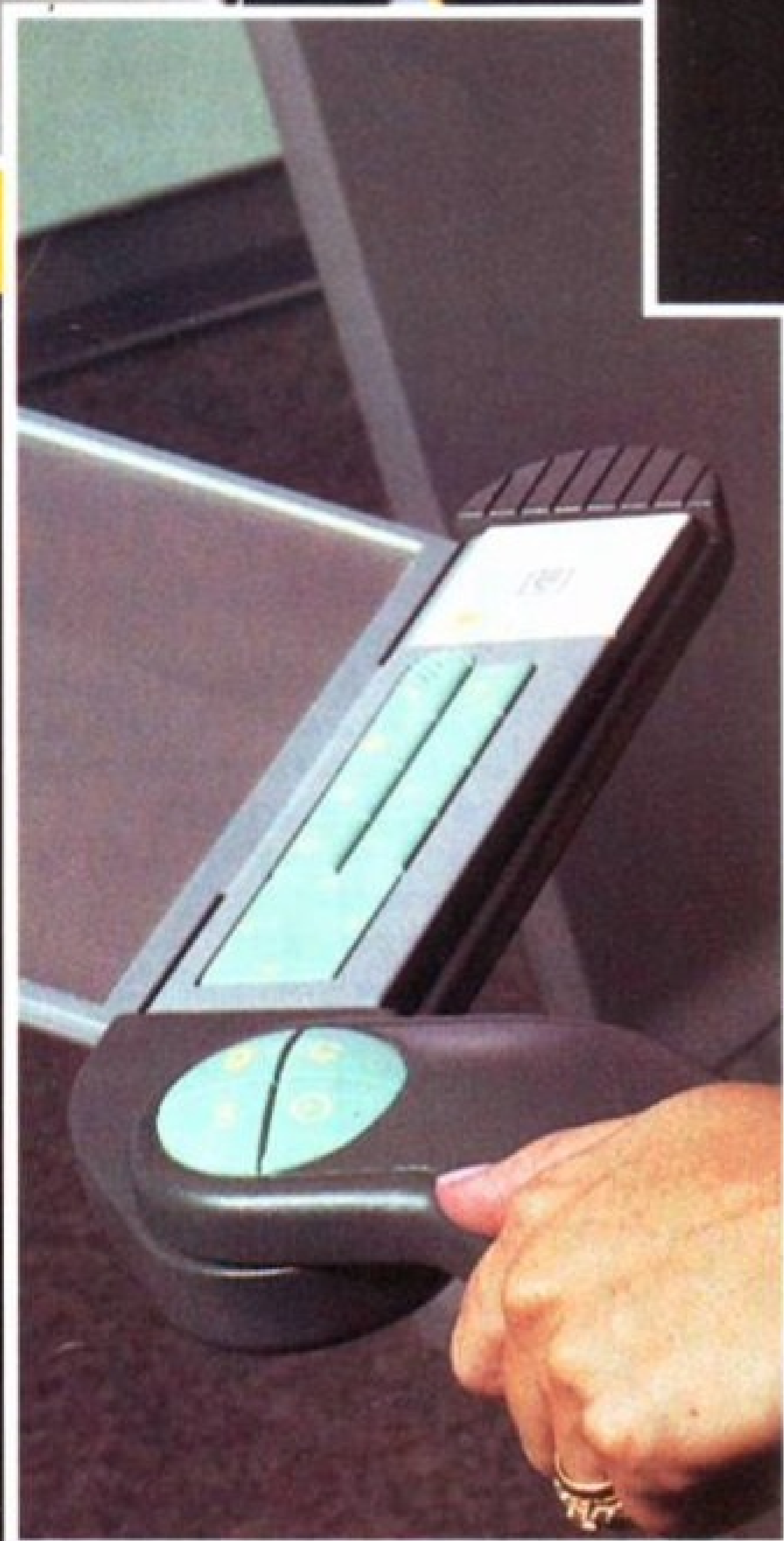
mac FORMAT





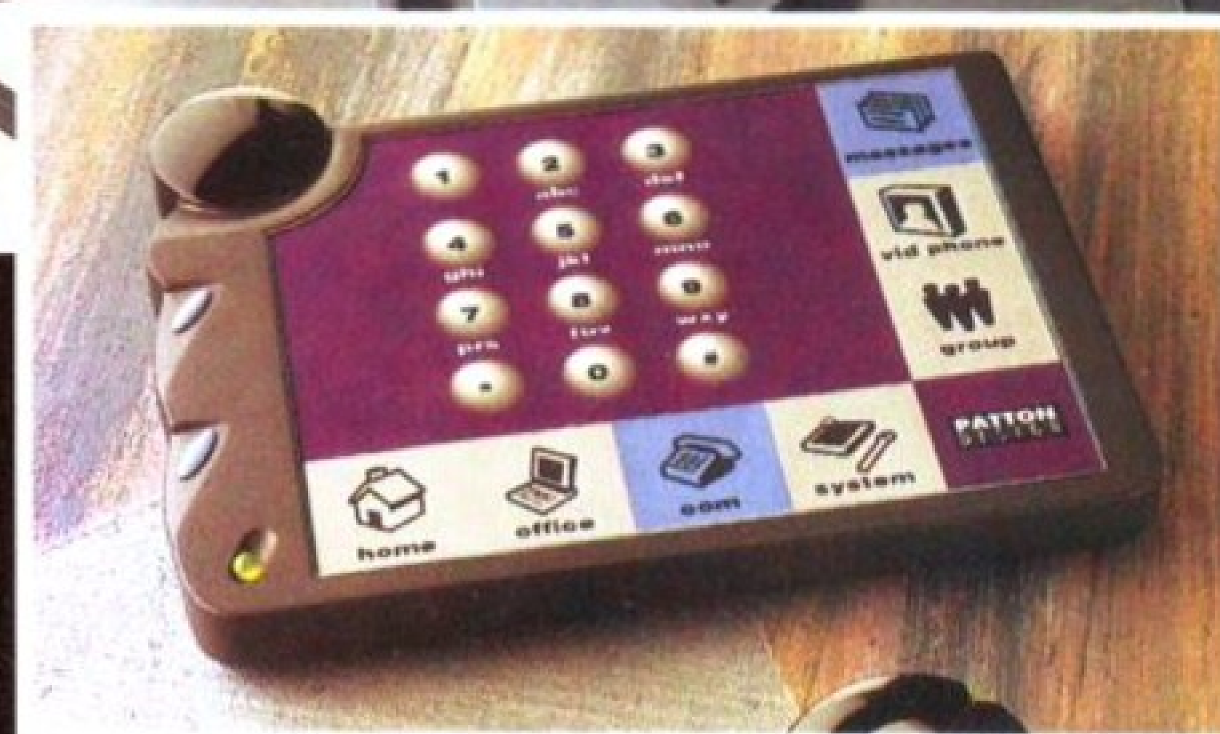
MacFormat 3 out July 6th

A new kind of Apple Mac magazine – for whatever Mac you own









TODAY'S MAGAZINE

CITIZEN PRINTERS FROM SILICA SYSTEMS

- **FREE DELIVERY** Next Day - Anywhere in the UK mainland
- **WINDOWS 3.1** Free Windows 3.1 driver with Starter Kit
- **2 YEAR WARRANTY** (including the dot matrix printer head)
- **FREE HELPLINE** Technical support during office hours
- **FREE STARTER KIT** With Citizen dot matrix printers from Silica



FREE STARTER KIT INCLUDES:
- 3½" Disk with Amiga Print Manager
- 3½" Disk with Windows 3.1 Driver
- 1.8 Metre Parallel Printer Cable
- 200 Sheets of Continuous Paper
- 100 Continuous Tractor Feed Address Labels
- 5 Continuous Envelopes on Tractor Feed

AMIGA PRINT MANAGER V2.01
For faster printing from your Amiga, with clearer images and more vibrant colours. Available free of charge as part of the Silica Printer Starter Kit.
Features include:
- Improved Image Smoothing
- Image Scaling
- Gamma/Colour Correction
- Colour Separation
- Reduces/Eliminates Banding

KIT VALUE **£49** + VAT

CITIZEN PRINTERS
WITH 2 YEAR WARRANTY

24 PIN 270 CPS 80 COLUMN

COLOUR KIT OPTIONAL EXTRA · 2 YEAR WARRANTY · FREE! STARTER KIT WORTH £49 +VAT SEE LEFT

- Citizen Swift 200 - 24 pin - 80 column
- 270cps SD (15cpi), 216 cps Draft, 72cps LQ
- 8K Printer Buffer (40K max) + 6 LQ Fonts
- Parallel Interface
- Graphics Resolution: 360 x 360 dpi
- Epson, IBM, & NEC P20 Emulations
- Quarter Printing and Auto Set Facility
- Ultra Quiet Mode - 43dB(A)
- Colour Kit - Optional Extra (See Below)
- FREE Silica Printer Starter Kit

SWIFT 200

RRP	£259
SILICA STARTER KIT	£49
TOTAL VALUE:	£308
SAVING:	£129
SILICA PRICE:	£179

£179 +VAT=£210.33 - PRI 2490

9 PIN 144 CPS 80 COLUMN

2 YEAR WARRANTY · FREE! STARTER KIT WORTH £49 +VAT SEE LEFT

- Citizen 120D+ - 9 pin
- 144cps Draft, 30cps NLQ
- 4K Printer Buffer + 2 Fonts
- Parallel or Serial Interface
- Graphics Resolution: 240 x 216dpi
- Epson and IBM Emulation
- Pull tractor & bottom feed
- FREE Silica Printer Starter Kit

The Citizen 120D printer comes supplied with a parallel interface as standard. If you require a serial interface instead, please state ref: PRI 2125 when placing your order with Silica.

CITIZEN 120D+

RRP	£199
SILICA STARTER KIT	£49
TOTAL VALUE:	£248
SAVING:	£133
SILICA PRICE:	£115

£115 +VAT=£135.13 - PRI 2120

PERIPHERALS & ACCESSORIES

STAND OFFER

PRINTER NOT INCLUDED · NEW LOW PRICE!

CITIZEN PRINTER STAND

For Swift 9, 90, 24, 24e, 200, 240 and 224 Printers
- Helps keep pace with Citizen Printer's powerful paper handling
- Robust & Durable Construction
- Saves space and protects continuous stationery from dust and damage
- Compatible with bottom and rear feed

RRP ~~£23.48~~ **£19** +VAT= £22.33 - PRA 1242

SHEET FEEDERS

PRA 1200	120D+	£71.38
PRA 1222	124D/224/Swift 80 Col Printers	£88.13
PRA 1228	124D/224/Swift 80 Col Printers	£42.00

SERIAL INTERFACES

PRA 1189	120D+	£56.45
PRA 1209	Swift 9/9x/124D/224	£32.25
PRA 1709	Swift 24/24x/24e/200/240	£26.38

32K MEMORY EXPN

PRA 1753	224/Swift 24/24x/24e	£14.45

PRINTER STAND

PRA 1274	Swift 9X/24X/200/240	£34.95

ORIGINAL RIBBONS

RIB 3520	120D/Swift 9/90 Black	£2.91
RIB 3949	Swift 9x Black	£7.15
RIB 3924	124D/Swift 24/200/240 Black	£4.20
RIB 3936	224/Swift 9/90/24/200/240 Col.	£15.63
RIB 3248	PN48 Single Strike	£3.61
RIB 3348	PN48 Multi Strike	£3.61

COLOUR KITS

PRA 1236	224/Swift 9/90/24e/200/240	£35.25
PRA 1240	Swift 9x/24x	£45.25

PN48 ACCESSORIES

PRA 1148	PN48 Battery	£46.70
PRA 1155	PN48 Cable Extn	£29.37
PRA 1162	PN48 Car Adaptor	£18.74

24 PIN 300 CPS 80 COLUMN

2 YEAR WARRANTY · FREE! STARTER KIT WORTH £49 +VAT SEE ABOVE

- Citizen Swift 240/240C - 24 pin - 80 col
- 300cps SD (15cpi), 240 cps Draft, 80cps LQ
- 8k Printer Buffer - 40K maximum
- 9 LQ Fonts + 2 Scalable Fonts (8-40pts)
- Font Cartridge Slot - for plug in 'style' fonts
- Parallel Interface
- Graphics Resolution: 360 x 360dpi
- Epson, IBM, NEC P20 & CEL Emulations
- Quarter Printing Facility
- Auto Set Facility - Bi-directional I/F, Auto Emulation Detection
- Command Vue IV Front Control Panel
- Ultra Quiet Mode - 43dB(A)
- Colour Printing Standard - Swift 240c, Colour Printing Optional - Swift 240
- FREE Silica Printer Starter Kit

SWIFT 240 MONO

RRP	£339
STARTER KIT	£49
TOTAL VALUE:	£388
SAVING:	£149
SILICA PRICE:	£239

£239 +VAT=£280.83 - PRI 2560

SWIFT 240C COLOUR

RRP	£359
STARTER KIT	£49
TOTAL VALUE:	£408
SAVING:	£149
SILICA PRICE:	£259

£259 +VAT=£304.33 - PRI 2571

9 PIN 240 CPS 80 COLUMN

NEW! · 2 YEAR WARRANTY · FREE! STARTER KIT WORTH £49 +VAT SEE ABOVE

- Citizen Swift 90 - 9 pin - 80 column
- 240cps SD (10cpi) 192cps Draft, 48cps NLQ
- 8K Printer Buffer
- 6 Fonts Built-in
- Parallel Interface
- Graphics Resolution: 240 x 216dpi
- Epson and IBM Emulation
- Auto Set Facility
- Ultra Quiet Mode - 45dB(A)
- Advanced Paper Handling
- Colour Printing Standard - Swift 90c, Colour Printing Optional - Swift 90
- FREE Silica Printer Starter Kit

SWIFT 90 MONO

RRP	£199
STARTER KIT	£49
TOTAL VALUE:	£248
SAVING:	£99
SILICA PRICE:	£149

£149 +VAT=£175.08 - PRI 2290

SWIFT 90C COLOUR

RRP	£219
STARTER KIT	£49
TOTAL VALUE:	£268
SAVING:	£99
SILICA PRICE:	£169

£169 +VAT=£198.58 - PRI 2297

INKJET 360 CPS 80 COLUMN

2 YEAR WARRANTY · NEW LOW PRICE!

- Citizen Projet inkjet - 80 column
- 360cps Draft, 120cps NLQ
- 50 Nozzle Head - Whisper Quiet 47dB(A)
- 8K Printer Buffer
- RAM Card Options
- 3 Fonts Built-in
- Optional HP Compatible Font Cards
- Parallel and Serial Interface
- Graphics Resolution: 300 x 300dpi
- HP Deskjet Plus Emulation
- 2 Year Warranty

RRP	£496
TOTAL VALUE:	£496
SAVING:	£217
SILICA PRICE:	£279

£279 +VAT=£327.83 - PRI 2090

192 CPS 136 COLUMN

2 YEAR W'TEE · NEW LOW PRICE! · FREE! STARTER KIT WORTH £49 +VAT SEE ABOVE

- Citizen Swift 24x - 24 pin - 136 col
- 192cps Draft, 64cps NLQ
- 8K Printer Buffer + 4 Fonts
- Parallel Interface
- Graphics Resolution: 360 x 360dpi
- Epson, IBM and NEC P6 Emulation
- Colour Option Available
- FREE Silica Printer Starter Kit

RRP	£489
SILICA STARTER KIT	£49
TOTAL VALUE:	£538
SAVING:	£239
SILICA PRICE:	£299

£299 +VAT=£351.33 - PRI 2574

64 CPS 80 COLUMN

2 YEAR W'TEE · NEW LOW PRICE!

- Citizen PN48 Notebook Printer
- Non-impact Printing on Plain Paper
- 53cps LQ - 4K Buffer + 2 Fonts
- Rear and Bottom Paper Loading
- Parallel Interface
- Graphics Res: 360 x 360dpi
- Epson, IBM, NEC P6 & Citizen Emulation
- Power: Mains, Battery or Car Adaptor

RRP	£325
TOTAL VALUE:	£325
SAVING:	£126
SILICA PRICE:	£199

£199 +VAT=£233.83 - PRI 2100

290393-0730

SILICA SYSTEMS OFFER YOU

- **FREE OVERNIGHT DELIVERY:** On all hardware orders shipped in the UK mainland.
- **TECHNICAL SUPPORT HELPLINE:** Team of technical experts at your service.
- **PRICE MATCH:** We normally match competitors on a "Same product - Same price" basis.
- **ESTABLISHED 14 YEARS:** Proven track record in professional computer sales.
- **£12 MILLION TURNOVER (with 60 staff):** Solid, reliable and profitable.
- **BUSINESS + EDUCATION + GOVERNMENT:** Volume discounts available **081-308 0888.**
- **SHOWROOMS:** Demonstration and training facilities at all our stores.
- **THE FULL STOCK RANGE:** All of your requirements from one supplier.
- **FREE CATALOGUES:** Will be mailed to you with offers + software and peripheral details.
- **PAYMENT:** Major credit cards, cash, cheque or monthly terms (APR 29.8% - written quotes on request).

Before you decide when to buy your new printer, we suggest you think very carefully about WHERE you buy it. Consider what it will be like a few months after you have made your purchase, when you may require additional peripherals and accessories, or help and advice. And, will the company you buy from contact you with details of new products? At Silica Systems, we ensure that you will have nothing to worry about. We have been established for almost 14 years and, with our unrivalled experience and expertise, we can now claim to meet our customers' requirements with an understanding which is second to none. But don't just take our word for it. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Systems Service".

MAIL ORDER HOTLINE 081-309 1111

SILICA IS A DIVISION OF PRODIS PLC

SILICA SYSTEMS

MAIL ORDER: 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX — Tel: 081-309 1111
Order Lines Open: Mon-Sat 9.00am-6.00pm — No Late Night Opening — Fax No: 081-308 0608

LONDON SHOP: 52 Tottenham Court Road, London, W1P 0BA — Tel: 071-580 4000
Opening Hours: Mon-Sat 9.30am-6.00pm — No Late Night Opening — Fax No: 071-323 4737

LONDON SHOP: Selfridges (Basement Arena), Oxford Street, London, W1A 1AB — Tel: 071-629 1234
Opening Hours: Mon-Sat 9.30am-7.00pm — Late Night: Thursday - 8pm — Extension: 3914

SIDCUP SHOP: 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX — Tel: 081-302 8811
Opening Hours: Mon-Sat 9.00am-5.30pm — Late Night: Friday - 7pm — Fax No: 081-309 0017

ESSEX SHOP: Keddies (2nd Floor), High Street, Southend-on-Sea, Essex, SS1 1LA — Tel: 0702 468039
Opening Hours: Mon-Fri 10.00am-5.30pm (Sat 9.00am-6.00pm) — Late Night: Thursday - 7pm — Fax No: 0702 468039

To: Silica Systems, AMFOR-0893-55 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX

PLEASE SEND A BROCHURE ON THE CITIZEN RANGE

Mr/Mrs/Ms: .... Initials: .... Surname: .... Date: ....

Company Name (if applicable): ....

Address: ....

....

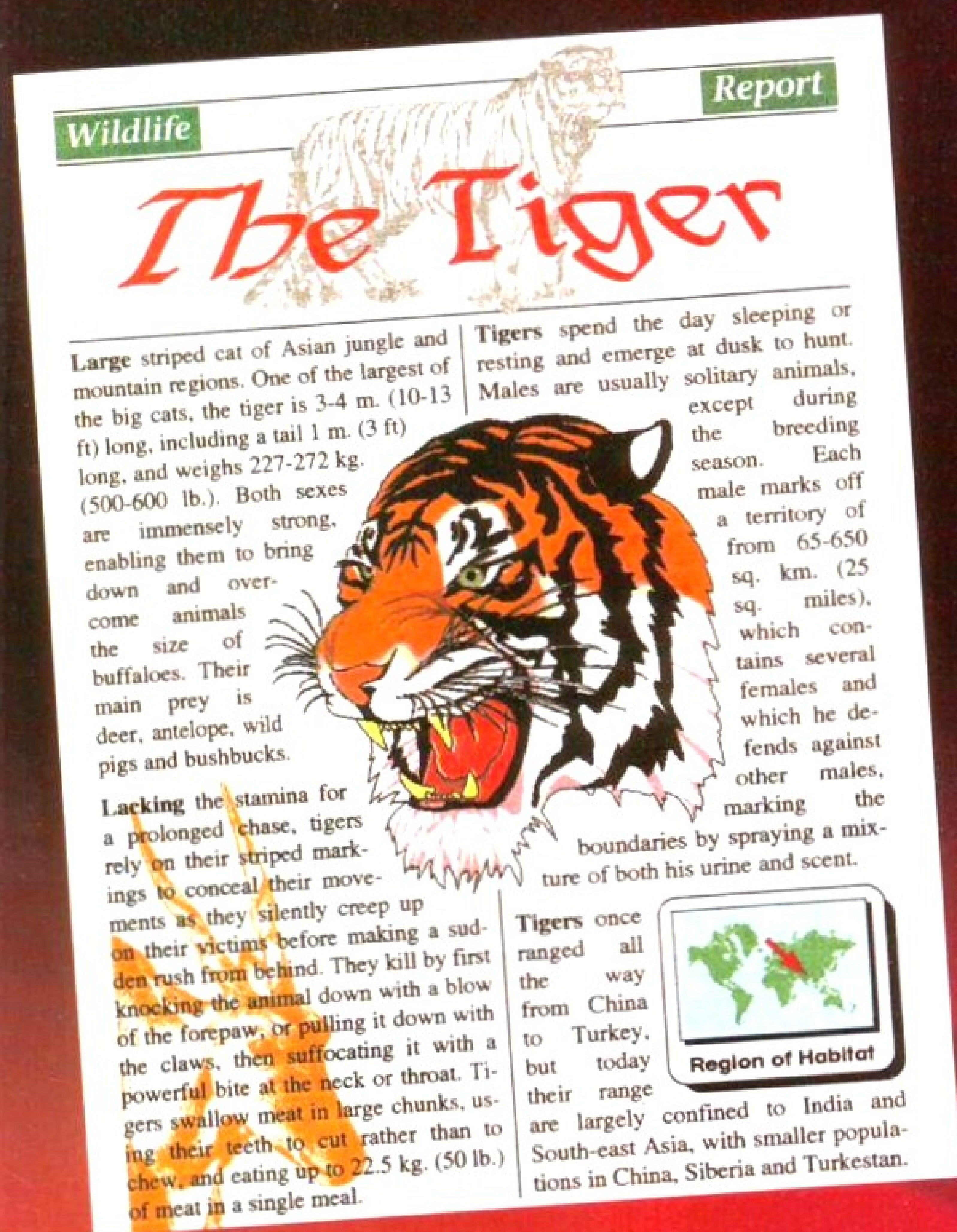
.... Postcode: ....

Tel (Home): .... Tel (Work): ....

Which computer(s), if any, do you own? 55S

E&OE - Advertised prices and specifications may change - Please return the coupon for the latest information.

The Best Word Publish
(Amiga Forma



Wildlife Report

The Tiger

Large striped cat of Asian jungle and mountain regions. One of the largest of the big cats, the tiger is 3-4 m. (10-13 ft) long, including a tail 1 m. (3 ft) long, and weighs 227-272 kg. (500-600 lb.). Both sexes are immensely strong, enabling them to bring down and overcome animals the size of buffaloes. Their main prey is deer, antelope, wild pigs and bushbucks.

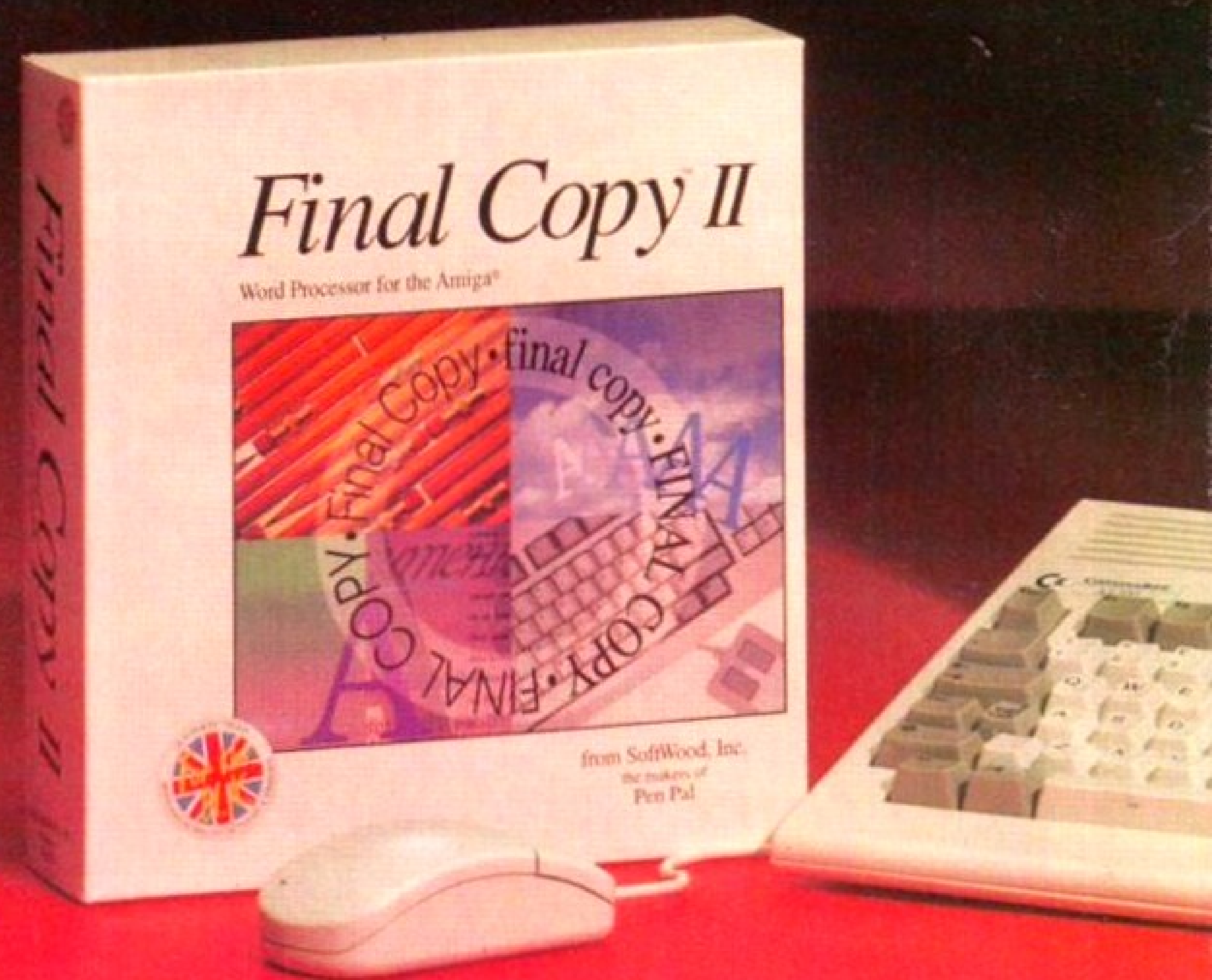
Lacking the stamina for a prolonged chase, tigers rely on their striped markings to conceal their movements as they silently creep up on their victims before making a sudden rush from behind. They kill by first knocking the animal down with a blow of the forepaw, or pulling it down with the claws, then suffocating it with a powerful bite at the neck or throat. Tigers swallow meat in large chunks, using their teeth to cut rather than to chew, and eating up to 22.5 kg. (50 lb.) of meat in a single meal.

Tigers spend the day sleeping or resting and emerge at dusk to hunt. Males are usually solitary animals, except during the breeding season. Each male marks off a territory of from 65-650 sq. km. (25 sq. miles), which contains several females and which he defends against other males, marking the boundaries by spraying a mixture of both his urine and scent.

Tigers once ranged all the way from China to Turkey, but today their range are largely confined to India and South-east Asia, with smaller populations in China, Siberia and Turkestan.

Region of Habitat

We'd simply call it the best Amiga Word Processor. But if after using it, the experts insist on calling Final Copy II the best Word Publisher as well, we're not complaining!

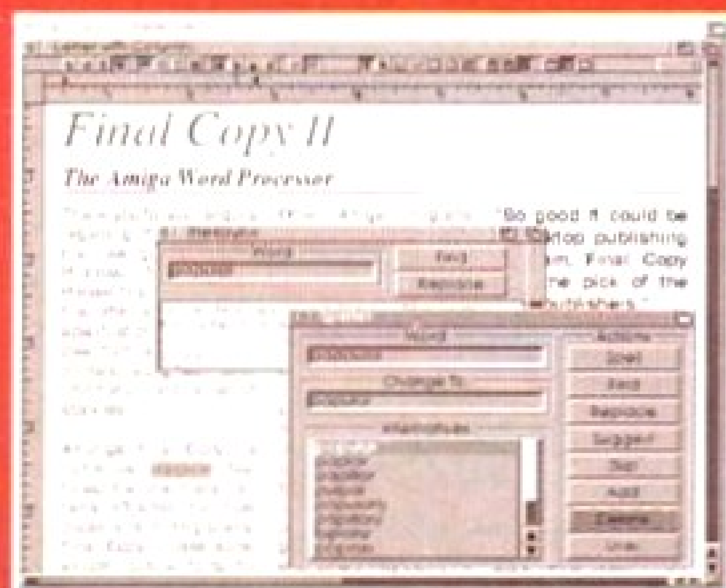


Final Copy coined the phrase "Perfect Printing on **any** Printer".
We mean it - this document proves it!

Created in Final Copy II and printed on a standard 24-pin Citizen Swift, it shows a small number of Final Copy II's features: Smooth Scaleable Outline Fonts, Multiple Columns, Drawing Tools for Boxes, Borders, Shadows, Lines and Arrows, White-Out Text, Text Printed over Graphic Images, Text Obliquing, Auto-Flow Text around Graphics and of course, Import of Colour and Mono Graphics Pictures.

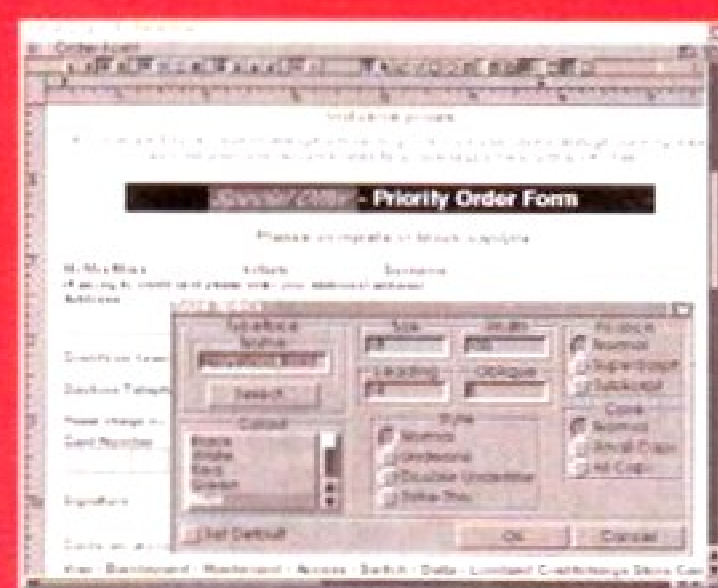
Final

Word Publishers go beyond simply producing normal letters and documents (at which Final Copy II naturally excels) and progress into a world where *how the whole document looks* is just as important as *what it says*. Admittedly, this can be achieved with Desk Top Publishers, but they can't easily be used as Word Processors, especially when a good looking letter needs creating quickly - they're far too cumbersome. This is where Final Copy II offers the perfect balance between the two requirements. Ease and speed of use, combined with complete control and perfect final printed presentation.



Document creation is so simple with 28 On-Screen Buttons for routine formatting and navigating commands, like Auto-Hyphenation. With *true* WYSIWYG display, you can even edit whilst your pages are magnified up to 400% (or reduced). Long documents are supported with Title/Master Pages, Style Sheets, Left/Right Page Binding Offset and Auto Numbering. Because your text needs to be perfect, the British-English Collins Proximity Speller combined with the Thesaurus (for that added inspiration) help you to produce the precise, printed page.

Compugraphic, Adobe Type 1 PostScript or Nimbus Q PostScript? If you *want* lots of fonts, you can *have* lots of fonts! Final Copy II can use thousands of superior Adobe Type 1 or Nimbus Q fonts (the same as those used on professional publishing systems). Both these types are PostScript fonts, but unlike all other Word Processors you don't need an expensive PostScript laser to use them! Final Copy II *will* print them on PostScript lasers, *or* any graphics capable printer. This includes the dot-matrix or ink-jet you probably already own. Even if you have your own Compugraphic* font library you'd still like to use, Final Copy II is fully compatible, outputting to any graphic printer. Final Copy II is unrivalled in its range of fonts supported, and as you can see here, you have complete control over text formatting. When using the outline typefaces included, or any additional fonts, they'll output perfectly[1] - no matter what size they're scaled to - with absolutely *no* jaggies! Opening multiple documents also allows editing whilst printing in background mode (free memory dependent).



Compatible with all Amigas from A500 to the latest A1200/A4000 ranges with either a second floppy or a hard drive. A minimum of 1Mb. of available free RAM is required (A600 hard drive - 1.5Mb.) however, as with all advanced graphical programs, extra memory (eg. 1.5/2Mb. - the more the better) will be required to exploit all features fully.

Available from all good Amiga Software Dealers,
or from SoftWood Europe - please phone for a list of nationwide stockists.

ing Program of its Type
ts words not ours)



Copy II

Release 2 available now!

Amiga Format think we have the Best Word Publisher. We'll show you why with a list of features that users tell us are important (below).
If you'd like to know who's also chosen Final Copy, Commodore specify it as an option with some of the most powerful Amigas available in the United States. What better recommendation could you have?

	Feature	Wordworth 2	Final Copy II
Fonts and Printing	Compatible with Standard Amiga Workbench 2 Compugraphic Fonts	YES	YES, But would Suggest use of Better PostScript Fonts
	Compatible with Standard Adobe Type 1 and Nimbus Q Scaleable Postscript Fonts	NO/NO	YES/YES
	PostScript Font Outlines on all Printers	NO	YES
	Maximum Number of PostScript Fonts	Limited to a total of 35	Infinite
	Download Extra Fonts to PostScript Printer	NO, Can't download extra fonts	YES, Automatic
	Landscape (Sideways) Printing on all Printers	NO	YES, Automatic
	Reclaim Printing Resolution (Quality) of Scaled (Reduced and Enlarged) Graphic Images	NO	YES, Same High Quality when Reduced and Enlarged
	Print any Text or Graphic in Colour	YES	YES
	No. of Colours Printed in Imported Pictures	Limited by Screen Mode Used	Output as Original Image
	Graphics Printing (HAM & IFF ILBM)	Good if Graphics not Scaled	Always Best Possible
	Text Width (Compress and Expand)	NO	YES
	Variable Text Obliquing (Slanted Text) Both Positive and Negative Attributes	NO	YES
Graphics	Box, Rounded Box, Circle, Oval, Line, Variable Border & Arrow Drawing Tools	NO	YES
	Crop (Trim) to Size Imported Graphics	NO	YES
	Supports A1200/4000 AGA Chipset	YES, 256 On-Screen Colours	YES, 256 On-Screen Colours
	Create Border around Graphics and Pictures	NO	YES
Editing and Formatting	British-English Spelling Checker	YES, Collins Proximity with Legal & Medical Supplements	YES, Collins Proximity with Legal & Medical Supplements
	British-English Thesaurus	YES, Collins 826000 Synonyms	YES, Collins 826000 Synonyms
	Page View Magnifications and Reductions	One Fixed Print Preview	7 Variable stages - 25% to 400%
	Edit Document while Magnified or Reduced	NO	YES
	Search & Replace (150 words in 9000, 7 Pages)	61 Seconds (On Amiga A1200)	7 Seconds (On Amiga A1200)
	Index and Table of Contents	YES, Automatic	NO, Requires Manual Entry
	Multiple Newspaper Style Snaking Columns	YES, 2 to 32	YES, 2 to 6
	Style Sheets, Master Pages, Title Pages	NO	YES
	Uses Standard Amiga Clipboard for Cutting & Pasting to and from Different Applications	NO	YES
	Small Caps Typographical Control	NO	YES
General Features	Conforms to Commodore's Amiga Standard 'Look & Feel' Guidelines	NO, Non Standard User Interface	YES
	On-Screen Maths (Column Addition)	NO	YES
	Import ASCII Text from any Word Processor	YES	YES
	UK Registration, Upgrade and Support	YES	YES
	Free Memory Required	1.5Mb. Minimum More Recommended	1Mb. Minimum More Recommended
	Free Ongoing Technical Phone Support	NO, £38 per year after 60 days	YES, Free of Charge
	Recommended Retail Price	£129.95	£99.95

Complete control over how your documents look, now you have it! Final Copy II incorporates: On-Screen Drawing Tools for generating boxes, borders, and lines or arrows at any angle, Multiple Newspaper Style snaking columns, combined with the unique ability to print the same PostScript quality outline fonts - on absolutely *any* printer in portrait or landscape. These all mean that no matter what you may have thought, no other Amiga Word Processor has all the capabilities that Final Copy II users now simply take for granted!



The almost endless list of features includes On-Screen Object Drawing Tools (no more importing of borders from drawing packages to frame graphics or reverse-highlight text) with selectable rulers to aid precise positioning. Text Auto-Flows around graphic objects and imported pictures, which can be placed anywhere, scaled *and* cropped, with *no* loss of printing quality. Text can also be printed actually *over* graphics (refer to *"The Tiger"* heading on our document). No other Word Processor for the Amiga offers all this. *(*Compugraphic fonts require Kick-start 2 and Workbench 2.1 or later, with Final Copy II. They will not output on PostScript printers from any Word Processor - and would always be our second choice. ‡All fonts used in Final Copy II can print to the highest resolution that the printer will output).*

SoftWood - Quality software for your Amiga

With Final Copy II you're not just getting a one off product! SoftWood are acknowledged as the World's leading software company who develop for the Amiga, and no other system. Once you're a registered SoftWood product owner, you'll be gaining access to unlimited free UK technical support (others charge you), and preferential upgrades to new versions of this and other exciting products being developed right now!

Please rush my personal copy of the new Final Copy II information pack, including samples from popular printers, and a list of stockists to... (clip the coupon or call 0773 836781 now!)

Name & Address:

Please include your postcode

AMF

SoftWood Products Europe

O Box 19, Alfreton, Derbyshire, DE55 7RW, England   Tel: 0773 836781 Fax: 0773 831040

NEW AMIGA

ACTION REPLAY MK III

THE WORLDS MOST POWERFUL

JUST LOOK AT THE UNMATCHED RANGE OF FEATURES

SAVE THE ENTIRE PROGRAM IN MEMORY TO DISK
Special compacting techniques enable up to 3 programs to fit on one disk. Now saves directly to disk as Amiga Dos - reloads independently of the cartridge - even transfer to hard drive! Works with up to 2 Megs of Ram - even 1 Meg Chip Mem (Fatter Agnus).

NEW **SUPER POWERFUL TRAINER MODE-**
now with DEEP trainer. Even better than before - allows you to generate more or even infinite lives, fuel, ammo. Perfect as a Trainer Mode to get you past that "impossible" level. Easy to use.

IMPROVED SPRITE EDITOR
The full Sprite Editor allows you to view/modify the whole sprite set including any "attached" sprites. PLUS A RANGE OF IMPROVED FEATURES.

VIRUS DETECTION
Comprehensive virus detection and removal features to protect your software investment. Works with all presently known viruses.

NEW **BURST NIBBLER**
Now this super disk copier program is built into Action Replay Mk III. Just imagine a superfast, efficient disk copier program at the press of a key - no more waiting.

SAVE PICTURES AND MUSIC TO DISK
Pictures and sound samples can be saved to disk. Files are saved directly in IFF format suitable for use with all the major graphic and music packages. Samples are displayed as screen waveform.

NEW **PAL or NTSC MODES SELECTABLE-**
Useful for removing ugly borders when using NTSC software. (Works only with newer Agnus chips).

NEW **SLOW MOTION MODE**
Now you can slow down the action to your own pace. Easily adjustable from full speed to 20% speed. Ideal to help you through the tricky parts!

MANY MORE INSTANT CLI COMMANDS-
like Rename, Relabel, Copy, etc.

NEW **RESTART THE PROGRAM**
Simply press a key and the program will continue where you left off.

FULL STATUS REPORTING
At the press of a key now you can view the Machine Status, including Fast Ram, Chip Ram, RamDisk, Drive Status, etc.

POWERFUL PICTURE EDITOR
Now you can manipulate and search for screens throughout memory. Over 50 commands to edit the picture plus unique on screen status "overlay" shows all the information you could ever need to work on screens. No other product comes close to offering such dynamic screen handling of frozen programs!!

JOYSTICK HANDLER-
allows the user to select Joystick instead of Keypresses - very useful for many keyboard programs.

MUSIC SOUND TRACKER
With Sound Tracker you can find the complete music in programs, demos, etc. and save them to disk. Saves in format suitable for most track player programs. Works with loads of programs!!



HOW TO GET YOUR ORDER FAST!

ALL CHEQUES/POSTAL ORDERS MADE PAYABLE TO.....

DATEL ELECTRONICS

GOVAN ROAD, FENTON INDUSTRIAL ESTATE, FENTON, STOKE-ON-TRENT, ST4 2RS, ENGLAND. FAX 0782 744292
TECHNICAL/CUSTOMER SERVICE 0782 744324

OR CALL AT OUR LONDON SHOP

ACTION REPLAY

MK III

STILL ONLY
£59.99
AMIGA A500/500+

FOR 1500/2000 VERSION £69.99

FREEZER-UTILITY CARTRIDGE

AUTOFIRE MANAGER
From the Action Replay III preference screen you can now set up autofire from 0 to 100%. Just imagine continuous fire power! Joystick 1 and 2 are set separately for that extra advantage!

NEW **IMPROVED RAM EXPANSION SUPPORT**
Now many more external Ram Expansions will work with all Action Replay III commands.

DISKCODER
With the new "Diskcoder" option you can now 'tag' your disks with a unique code that will prevent the disk from being loaded by anyone else. "Tagged" disks will only reload when you enter the code. Very useful for security.

NEW **SET MAP-**
allows you to Load/Save/Edit a Keymap.

PREFERENCES
Action Replay III now has screen colour preferences with menu setup. Customise your screens to suit your taste. Very simple to use.

DISK MONITOR
Invaluable disk monitor - displays disk information in easy to understand format. Full modify/save options.

IMPROVED PRINTER SUPPORT-
including compressed/small character command.

NEW **DOS COMMANDS**
Now you have a selection of DOS commands available at all times - DIR, FORMAT, COPY, DEVICE, etc.

NEW **FILE REQUESTER-**
if you enter a command without a filename, then a file requestor is displayed.

DISK COPY
Disk Copy at the press of a button - faster than Dos Copy. No need to load workbench - available at all times.

PLUS IMPROVED DEBUGGER COMMANDS-
including Mem Watch Points and Trace.

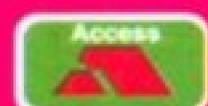
NEW **BOOT SELECTOR**
Either DFO or DF1 can be selected as the boot drive when working with Amiga Dos disks. Very useful to be able to boot from your external drive.

PLUS A MACHINE CODE FREEZER MONITOR WITH EVEN MORE POWER!!

EVEN MORE FEATURES INCLUDING 80 COLUMN DISPLAY AND 2 WAY SCROLLING:-
- Full M68000 Assembler/Disassembler • Full screen editor • Load/Save block • Write String to memory
- Jump to specific address • Show Ram as text • Show frozen picture • Play resident sample
- Show and edit all CPU registers and flag • Calculator • Help command • Full search feature
- Unique Custom Chip Editor allows you to see and modify all chip registers - even write only registers • Notepad
- Disk handling - show actual track, Disk Sync. pattern etc. • Dynamic Breakpoint handling
- Show memory as HEX, ASCII, Assembler, Decimal • Copper Assemble/Disassemble - now with suffix names

REMEMBER AT ALL TIMES YOU ARE INTERROGATING THE PROGRAM IN IT'S "FROZEN" STATE WITH ALL MEMORY AND REGISTERS INTACT - INVALUABLE FOR THE DE-BUGGER OR JUST THE INQUISITIVE!

WARNING 1988 COPYRIGHT ACT WARNING
Datel Electronics Ltd., neither condones nor authorises the use of it's products for the reprodution of copyright material.
The backup facilities of this product are designed to reproduce only software such as Public Domain material, the users own programs or software where permission to make backups has been clearly given.
It is illegal to make copies, even for your own use, of copyright material, without the express permission of the copyright owner, or the licencee thereof.







24 HOUR MAIL ORDER HOTLINE
0782 744707
ORDERS NORMALLY DISPATCHED WITHIN 48 Hrs.



222, TOTTENHAM COURT RD, LONDON, W1. TEL:071 580 6460



The items which make up the Home Music Kit. At the back, stereo speakers; at the front (from left to right): MIDI interface, software disk and sampler.

You don't need a studio to produce great sounds on your Amiga – with the right kit you can do it in your own home. **Andy Nuttall** plugs in and powers up...

Home Music Kit

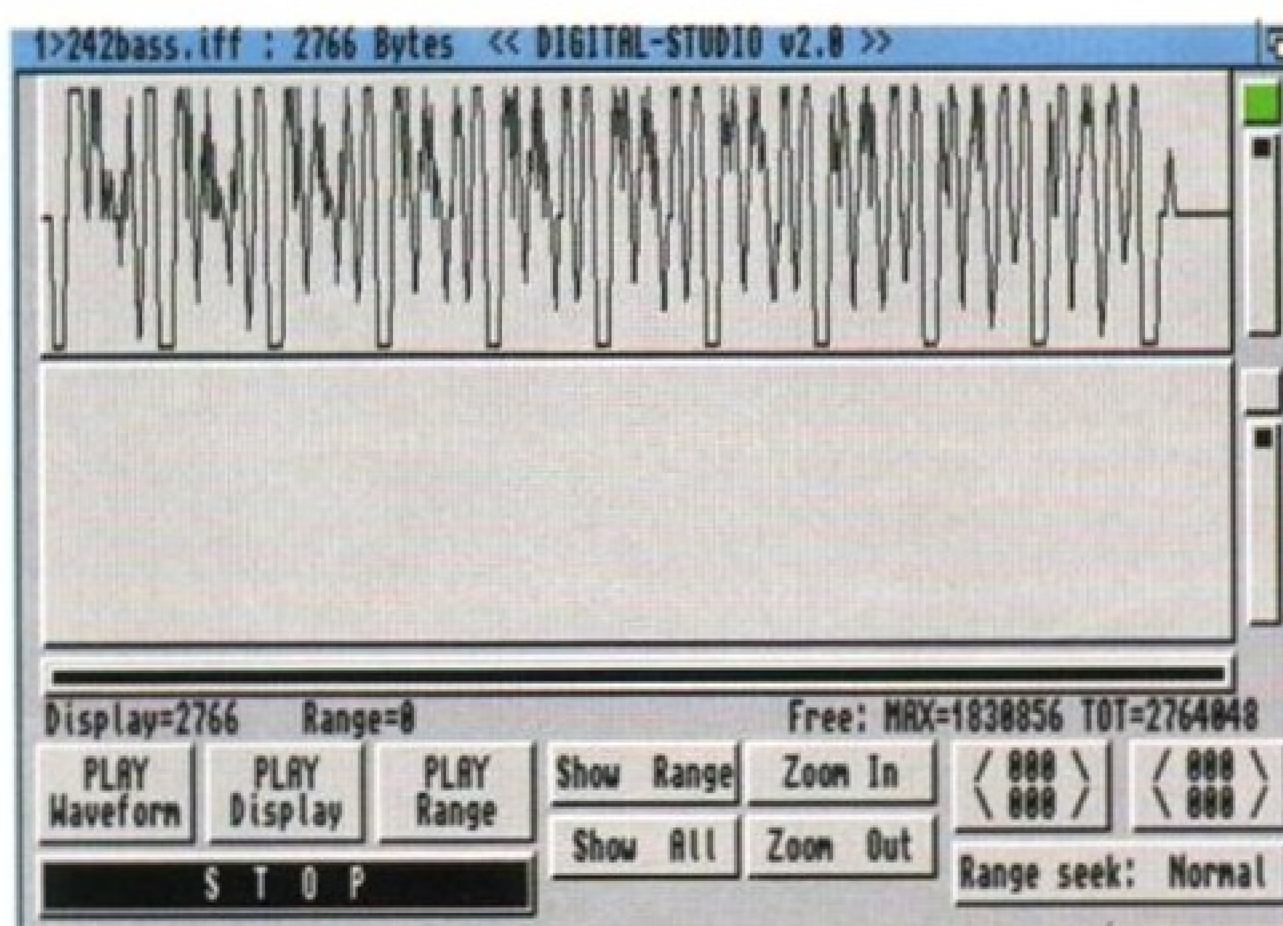
Sampling and effects package ■ £69.99 ■ Power Computing

"NO ONE HAS HAD this much fun since the Video Game" entices the promotional blurb on the box. Which video game would that be, then? *Pong*? *Pac Man*? Sarcasm aside, the Home Music Kit, like other sampling packages, is only as much fun to use as the sounds that you create with it.

The Kit comprises three pieces of hardware to plug into your Amiga, which are described in the box out below. Software-wise, a single disk is included with the package, which contains two main programs – *Digital Studio III* and *Real-Time Sound Processor II*. Let's take a closer look at the software...

Digital Studio III is very much like any other sampling program supplied with sampling cartridges such as *Technosound Turbo* or *Stereo Master*. It enables you to record sounds into the memory of your Amiga via the sampling cartridge, and manipulate them.

The system works in either mono or stereo modes, which means that you can record both channels at the same time from a CD player or tape machine. Radio buttons are used to control the program – click on Monitor to hear what is being fed into the cartridge, or click on Record to sample the sound into memory. It's



This is the sampling screen. In the centre, the waveform window displays the sample, while underneath the control buttons offer different options.

all pretty simple stuff, as long as you know how to use a cassette recorder!

When the sound has finished recording, the waveform is displayed on the screen. You then use the mouse to remove unwanted bits of the sound, cut and paste parts of the sample, or loop certain sections. When you have the sound you want, you can save it to disk in IFF form. There is a sequencer as well, but it's only one-track and therefore not really worth mentioning. (If you want to sequence your samples together, use *ProTracker* from last month's Coverdisk.)

HOME STUDIO KIT is available from Power Computing on 0234 843388

Real-Time Sound Processor III is an effects processor package which makes use of the sampling cartridge. If you load up an effect, then play music into the cartridge, the effect will be applied to the music and then output from the Amiga. This is similar to the many professional effects units which can cost hundreds of pounds.

Obviously the quality leaves a little to be desired when compared to more professional gear, but for a beginner making music this package certainly teaches a thing or two about how effects actually work. Each of the 35 effects are accompanied by a schematic diagram which shows the path of the sound through the effect (see picture left). Each component of the effect is labelled, and the label is repeated on the right side of the screen along with a sliding bar which adjusts the value of the component.

The only thing which lets the package down slightly is the manual. Written by the Italian company Adept Development who created the package, it explains the basics reasonably well, but it doesn't even attempt to explain some of the more detailed techniques. For example, the enveloper effect has an ADSR unit, and while it tells you what an envelope is, it doesn't really explain ADSR apart from mentioning the words Attack, Decay, Sustain and Release in passing. This could have been so much better with just a little more care.

If you only want a sampler then you can buy one for under £30, but The Home Music Kit offers more than that, and as a kit it is ideal for an introduction to electronic music.

HARDWARE – WHAT'S INSIDE THE BOX

The two cartridges are built to a very high standard. Opening up the plastic cases reveals circuit boards with surface mounted components – which are generally more reliable than their traditional counterparts. Surface mounting also reduces the need for hand-soldering, so reliability is increased even further.

There are some problems with connection, however. There are no attachment screws on the cartridges, which means that they can't be secured to the Amiga – this could cause problems if you need to move your machine. There's also a problem with the cases. The MIDI interface plugs into the Amiga's serial port, while the sampler plugs into the parallel port. These two ports are next to each other on all Amigas, and on most Amigas this doesn't cause a problem. On the A1200, however, they are a little closer together than with older machines, and unfortunately there is no way of connecting the two cartridges to the Amiga at the same time. However, Power are looking into this problem, so if you have an A1200 check with them first.

The speakers which are supplied with the main kit are of the standard variety sold as add-ons for personal stereos. These take two AA batteries each, or you can use a separate power supply. The sound created is not bad – it's better than your monitor speakers, but don't expect miracles.

Home Music Kit

SPEED ●●●●
Most operations are almost instant – including the sample manipulators.

DOCUMENTATION ●●
Poor English in the manual, and it doesn't really explain all that you need to know.

ACCESSIBILITY ●●●●
The sampler is a doddle. The effects processor is more complex, but on-screen diagrams help.

FEATURES ●●●●
The usual features of a sampling package, coupled with an extensive range of effects.

VALUE ●●●●
All the gear separately would cost you about the same – £70, so save yourself the bother.



78%

NEW SHOP NOW OPEN at 295 Ditchling Road BRIGHTON

BCS SUMMER OFFERS

NEW SHOP NOW OPEN at 295 Ditchling Road BRIGHTON

★ OFFER 1 ★
Philips CM8833 Mk II + on-site warranty + Lotus Turbo Game + lead
Only £225.99

★ OFFER 2 ★
NEW A1200+ 80Mb Hard Drive inc. 1 year on-site maintenance
£585.99

★ OFFER 3 ★
A1200 Comic Relief Pack
£364.99

★ OFFER 4 ★
NEW AMIGA 1200
68020 Processor, 14.19 MHz, 2MB Chip RAM. 16 Million Colours. AA Chip Set **£359.99**

DISKS! DISKS! DISKS!

100% certified error free
PLUS FREE COLOUR CODED LABELS

50	3.5" DS/DD	£22.99
100	3.5" DS/DD	£36.99
150	3.5" DS/DD	£55.99
200	3.5" DS/DD	£69.99
300	3.5" DS/DD	£104.99
400	3.5" DS/DD	£139.99
500	3.5" DS/DD	£174.99
1000	3.5" DS/DD	CALL FOR LATEST PRICE

All prices include VAT/free labels
REMEMBER, THESE PRICES INCLUDE FREE DELIVERY
PLEASE PHONE FOR LATEST PRICES DUE TO POSSIBLE INTRODUCTION OF EC TARIFFS ON DISKS

DISKS + 100 CAP LOCKABLE BOXES

100% CERTIFIED ERROR FREE
PLUS FREE COLOUR CODED LABELS

50	3.5" DS/DD + 100 cap box	£25.99
100	3.5" DS/DD + 100 cap box	£39.99
150	3.5" DS/DD + 100 cap box	£58.99
200	3.5" DS/DD + 2 x 100 cap boxes	£75.99
300	3.5" DS/DD + 3 x 100 cap boxes	£110.99
400	3.5" DS/DD + 4 x 100 cap boxes	£147.99
500	3.5" DS/DD + 5 x 100 cap boxes	£184.99
1000	3.5" DS/DD + 10 x 100 cap boxes	£call

All prices include VAT/free labels
REMEMBER, THESE PRICES INCLUDE FREE DELIVERY
PLEASE PHONE FOR LATEST PRICES DUE TO POSSIBLE INTRODUCTION OF EC TARIFFS ON DISKS

DISKS + 80 CAP BANX BOXES

100% CERTIFIED ERROR FREE
FREE COLOUR CODED LABELS

50	3.5" DS/DD + 80 Cap Banx Box	£32.99
100	3.5" DS/DD + 80 Cap Banx Box	£45.99
150	3.5" DS/DD + 2 x 80 Cap Banx Boxes	£74.99
200	3.5" DS/DD + 2 x 80 Cap Banx Boxes	£89.99
300	3.5" DS/DD + 4 x 80 Cap Banx Boxes	£145.49
400	3.5" DS/DD + 5 x 80 Cap Banx Boxes	£187.99
500	3.5" DS/DD + 6 x 80 Cap Banx Boxes	£235.99

All prices include VAT/free labels & free delivery
PLEASE PHONE FOR LATEST PRICES DUE TO POSSIBLE INTRODUCTION OF EC TARIFFS ON DISKS

3.5" DS/DD Disks 60p each
100 3.5" DS/HD ..£61.00 INC. P&P

150 Cap 3.5" Posso Box	£16.50
70 Cap 5.25" Posso	£16.50
60 Cap 3.5" Stackable Box	£10.00

5.25" DS/DD Disks	21p each
5.25" DS/HD Disks	39p each

3.5"	10 Cap boxes	£0.85 each
3.5"	40 Cap boxes	£4.10 each
3.5"	100 Cap boxes	£4.50 each
5.25"	10 Cap box	£1.10 each
5.25"	50 Cap boxes	£5.10 each
5.25"	100 Cap boxes	£5.90 each

Amiga 600 Pack £197.99

A500 PLUS CARTOON CLASSIC PACK £191.99

PRINTER RIBBONS

PRINTER	BLACK BRANDED	BLACK COMP	COLOUR BRANDED
Citizen 120D	£3.40	£2.70	N/A
Citizen Swift 9	£3.40	£2.70	£15.30
Citizen Swift 24/24E/224	£4.70	£2.70	£15.30
Panasonic 1124	£8.50	£3.58	N/A
Star LC-10	£4.47	£3.06	£6.70
Star LC-20	£4.47	£3.06	N/A
Star LC200	£6.11	£4.70	£12.30
Star LC24 10/15	£5.58	£3.53	N/A
Star LC24-200	£5.58	£3.53	£13.25

Call for prices on any ribbon

ACCESSORIES/JOYSTICKS

1000 COLOURED LABELS	£8
1000 TRACTOR LABELS (WHITE)	£10
MOUSE MAT	£2.75
MOUSE HOLDER	£2.50
14" MONITOR STAND	£10
PRINTER STAND	£6
3.5" CLEANING KIT	£2.75
PRINTER RIBBONS	£CALL
PARALLEL LEAD	£8
ZIPSTICK	£11.50
QS PYTHON IIIM	£9.50
CHEETAH 125+	£8

INKJET CARTRIDGES & REFILLS

HP Deskjet Black Ink Cartridge	£17.50
HP Deskjet Black Dual Capacity Ink Cartridge	£27.47
HP Deskjet 500C Colour Ink Cartridge	£29.37
Canon BJ10e/ex Black Ink Cartridge	£16.99
Black Twin Refill Kit	£14.98
Colour Twin Refill Kit (3 cols)	£29.85
500C Colour Refill Kit	£14.98
Amiga Colour Separation Software	£39.95

DUST COVERS

A500	£3.50
A600	£3.50
STAR LC200	£3.50
STAR LC-24 200	£3.50
CITIZEN 9	£3.50
CITIZEN 24	£3.50
PHILIPS MKI/II	£3.50
ATARI	£3.50

ORDER HOTLINE:
0273 506269 / 0831 279084

All prices include VAT. Add £4 delivery unless stated. Add £10 next day. Cheques will be held for clearance.

Call or send cheques / postal orders to:
BCS Ltd., 295 Ditchling Road, Brighton, East Sussex BN1 6JH

All offers subject to availability. E&OE. Due to shortages of 3½" DSDD disks, prices may change without notice. Due to currency fluctuation, all prices may change without notice.




ANALOGIC ANALOGIC ANALOGIC

Analogic Computers (UK) Ltd

Unit 6, Ashway Centre,
Elm Crescent
Kingston-upon-Thames
Surrey KT2 6HH

Telephone Mon-Fri 9am-7pm
Sat 9am-5.30pm
081-546 9575
Tel/Fax: : 081-541 4671

REPAIRS WHILE-U-WAIT !!

- * AMIGA A500 REPAIRS WITHOUT DIAGNOSTIC FEES
- * FIXED CHARGES
- * FAST TURNAROUND
- * MANY REPAIRS DONE WHILE-U-WAIT
- * WE PROVIDE PICK-UP SERVICE FOR REPAIRS FOR ONLY £5.00 + VAT

£49.95 including NEXT DAY DELIVERY by COURIER SERVICE

COMPUTERS

A600	POA
A600 + HD	POA
A1200	£369.95

MONITORS

CM 8833II	POA
SC 1435	£199.95
Philips 15" TV/monitor , remote control + scart cable	**£239.00**
Philips 15" TV/monitor , as above plus Fast text	**£269.00**

ACCESSORIES

Amiga 512K RAM +clock	£24.95
Amiga Plus 512K RAM	£34.95
Amiga Plus 1 Meg	£49.95
Amiga/Atari Squik Mouse	£14.95
Amiga Scart Cable	£14.95
Rom Sharer	£19.95
Mouse Mat	£4.95
Dust Cover	£4.95
Super Pro Zipstick	£14.95
Amiga Power Supply	£44.95
10 Sony Blank Disks	£9.95

FLOPPY DRIVES

1 Meg 3.5" internal	£49.95
1 Meg 3.5" external	£59.95



★ All prices include VAT and **NEXT DAY DELIVERY** subject to availability ★ Fixed charge for repair does not include disk drive replacement nor keyboard
★ All prices subject to change without notice ★ We reserve the right to refuse any Amiga repair
HOURS OF WORKING: MON - FRI 9AM - 6.30PM, SAT 9AM - 5.30PM.



GASTEINER

Unit 2
Millmead Business Centre
Millmead Road
London N17 9QU
Tel: 081 365 1151
Fax: 081 885 1953





ICD POWER


AMIGA COMPUTERS

A500+	£189.00
A600	£229.00
A600 40Mb Hard Drive	£399.00
A1200	£379.00
A1200 20Mb Hard Drive	£529.00
A1200 40Mb Hard Drive	£599.00
A1200 65Mb Hard Drive	£639.00
A1200 80Mb Hard Drive	£679.00
A1200 120Mb Hard Drive	£769.00
A4000 120Mb Hard Drive	£2089.00
A4000 030	£979.00

MONITORS

Philips CM8833 Mk2	£229.00
Commodore 1084/5 SDI	£209.00
Commodore 1960 Multisync	£439.00
Gasteiner Multisync Monitor	£349.00

PRINTERS

Citizen Swift 9 Colour	£179.00
Citizen Swift 240 Colour	£279.00
Citizen Swift 200 Colour	£219.00
HP 500	£309.00
HP 500 Colour	£439.00
HP 550 Colour	£550.00

RAM

A500 1/2Mb	£14.95
A500 1/2Mb with Clock	£19.95
A500+ 1Mb	£29.95
A600 1Mb	£19.95
A600 1Mb with Clock	£39.95
A1200 2Mb (PCMCIA)	£119.00
A1200 4Mb (PCMCIA)	£189.00
1Mb Simms (Gvp)	£27.00
4Mb Simms (Gvp)	£89.00
A2000 2Mb-8Mb	£129.00

SCANNERS

Power Mono	£95.00
Power Colour	£235.00
AlfaData Mono	£99.00
AlfaData Plus	£119.95
AlfaData OCR	£165.00
Gasteiner Mono	£89.00
Gasteiner Scan Read	£129.00
DataScan Pro V3	£89.00
Epson GT 8000	£1199.00

HARD DRIVES

ALPHA POWER
* External IDE HDD for Amiga A500/A500+
Internal IDE HD for A1500/A2000
* Memory conveniently expandable to 2/4/6/8Mb by using 1M X 4 Zips
* 100% Compatible
* Easy Installation, just plug in and go
* Auto boot, Auto config and zero wait states

Controller for A500/A500+/A1500/A2000	£99.00
Controller + 40Mb Hard Drive	£199.00
Controller + 65Mb Hard Drive	£279.00
Controller + 85Mb Hard Drive	£299.00
Controller + 120Mb Hard Drive	£329.00

GASTEINER POWER FOR A600/A1200

20Mb + IDE Cable	£99.00
40Mb + IDE Cable	£149.00
65Mb + IDE Cable	£199.00
85Mb + IDE Cable	£279.00
120Mb + IDE Cable	£299.00
Fitting for A600 or A1200	£29.95

BARE HARD DRIVES

IDE (3½")		SCSI	
40Mb	£99.00	50Mb	£199.00
65Mb	£199.00	85Mb	£279.00
85Mb	£219.00	120Mb	£299.00
120Mb	£249.00	210Mb	£319.00

ACCESSORIES

Power Supply A500/A500+/A600/A1200 (High Voltage)	£34.95
Power Supply A1500/A2000	£69.95
Internal Drive for A500	£40.00
Internal Drive for A2000	£45.00
A500 Rom Switcher	£12.95
A600/A1200 Rom Switcher	£12.95
Auto sensing Joystick/Mouse switch box	£12.95
Printer Cable	£6.00
Modem Cable	£6.00
SCSI Cable	£6.00
IDE cable for A600/A1200	£15.00
External Drive for A2000	£49.00
Blitz Amiga	£20.00
ICD Flicker Free Video 2	£199.00
Commodore 64 Power Supply	£19.00
10 Blank Disc	£7.00
3.5" External Drive	£50.00

MICE + TRACKBALL

AlfaData

Infra Red Mouse	£45.00
Mega Mouse	£10.95
Mega Mouse (Mat+Holder)	£14.95
300 DPI Optical Mouse	£27.95
The Trackball	£29.95
Crystal Trackball	£34.95
Optical Pen Mouse	£35.95

Golden Image

GI 600	£13.95
Optical Mouse	£23.95
Brush Mouse	£19.95
New Golden Image 400 DPI Mark 2 Mouse	£14.95

IT'S HERE!... GIGAMEM

VIRTUAL MEMORY FOR AMIGA

Application:
Most recent powerful application for the Amiga (e.g. for graphics, music, animation, raytracing, DTP) require more main memory than is available or possible to integrate. GigaMem is a program which simulates up to 1 GigaByte memory, which swaps onto any mass storage system (i.e. hard disk). Intelligent management accomplishes simultaneous use of several programs in a multitasking mode.

Features:
- Support up 1 Gigabyte Virtual Memory
- Swapping to either a file or a partition
- Intelligent memory swapping in accord with memory access frequency
- Use of the new Amiga<R>OS 2 x interface guidelines
- Comfortable preferences utility with 2.0 style
- Fully multitasking, no system slowdown during disk access
- Easy and comfortable installation program
- Kernel 100% assembler for maximum speed and minimum size
- Intelligent paging strategy a la UNIX ™
- Display of available virtual memory on the Workbench title
- Write cache for increased speed
- Ready-to-use program database of common applications for optimum utilization

System requirements:
- GigaMem works with all AMIGA <R> computers with MMU (Memory Management Unit); i.e. Amiga<R> 2500, 2500/30,3000 or Amiga 500(+)/1000/1500/2000/4000 with 68020 or 68030 accelerator and MMU
- No restriction on type of HD controller and hard disk
- GigaMem is compatible to Kickstart 1.2/1.3 and 2.x

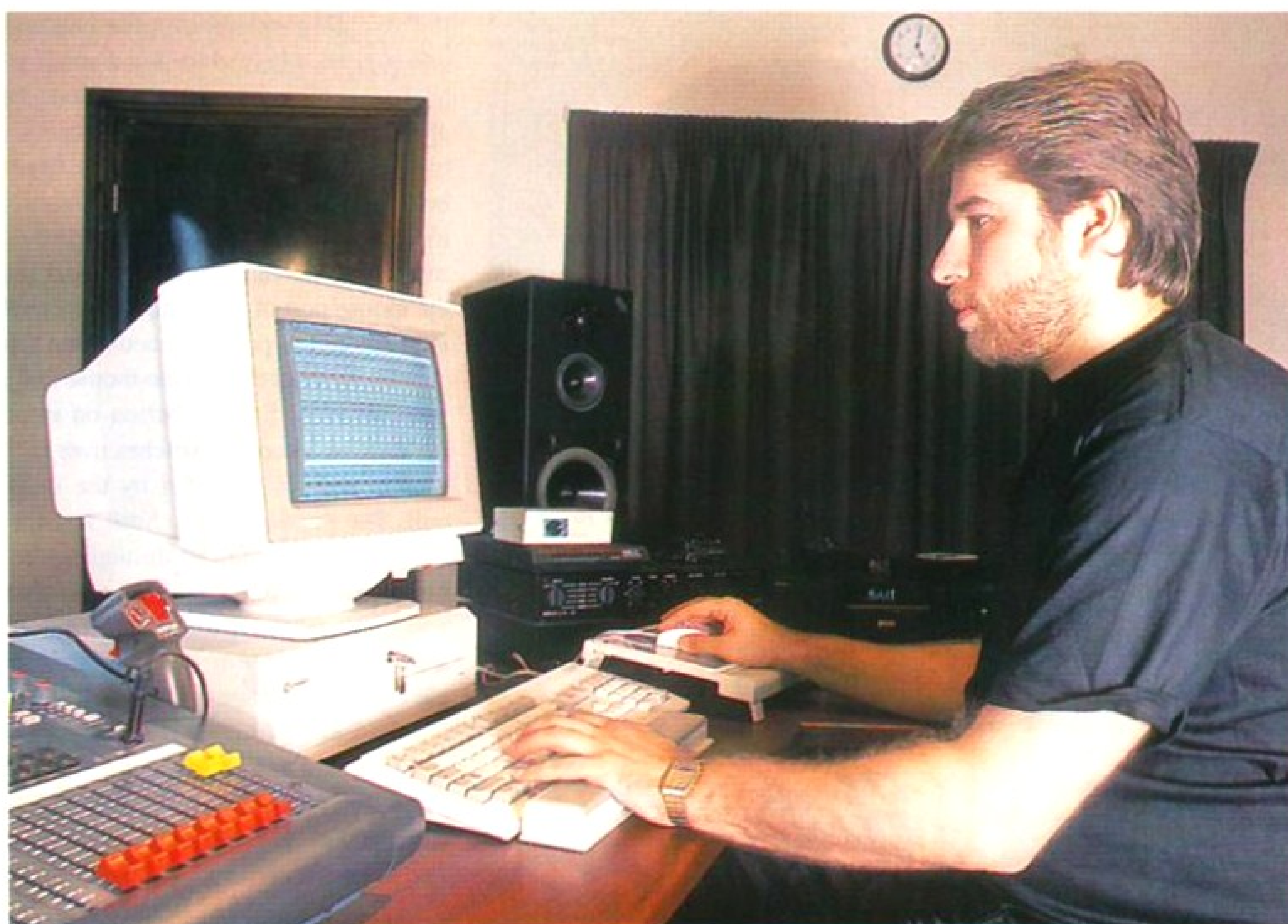
PHONE FOR REPAIRS ON AMIGA!

DELIVERY CHARGES:	UK MAINLAND (not Highlands)
Small consumables & software items.	Despatched by post please check charges when ordering
Other items, except lasers	Next day courier service, £10 per box
Offshore and Highlands	Please enquire
IN ADDITION WE OFFER THE FOLLOWING EXPRESS SERVICES	
Saturday deliveries	Normal rate plus £15 + VAT per box
AM next day	Normal rate plus £8 + VAT per box

Products advertised represent a small sample of our in-stock range. A complete price list is available on request.

E. & O. E. Price subject to change without notice.
Goods subject to availability.
Specifications subject to change without notice.
All Trademarks acknowledged.

Do you fancy yourself as a bit of a musician? Well if you produce music using your Amiga, whether you use ProTracker or Bars and Pipes Professional, then we've got the ultimate compo prize for you!



Greg Malcangi is the sound recordist for top percussionist Evelyn Glennie. And they've invited an *Amiga Format* reader to spend a whole day at their Heritage Studios; all you have to do is create a piece of music using your Amiga, and send it in to the address below!

Win a day in a top recording studio!

EVELYN GLENNIE IS the world's top percussionist (check out our News Special in AF47 if you don't believe us) and we're offering you the chance to spend a day at her Heritage recording studio, with Amiga sound recordist extraordinaire Greg Malcangi adding a professional touch to your own songs. And it doesn't stop there, we're also giving you a copy of Bars & Pipes Professional 2!

What makes Greg such an Amiga supremo? Well, Greg sums it up best himself: "The Amiga with B&P Pro 2 is the most powerful sequencing tool on the market at the moment, the features of B&P are unrivalled, and with the power of the A4000 and CBM's on-site warranty, the A4000 is a valuable tool for amateurs and professionals right up to studio level." Comments like this are becoming rife as the Amiga becomes more popular with professional musicians, and with an A4000/040 at the core of studios like Heritage, the Amiga can only go from strength to strength!

With a day to spend at Heritage Studios, the winner will be able to take advantage of features such as 16 track 20-bit digital recording, with 48 channels of MIDI. The winning musician/s will be using B&P Pro running on an A4000, with a host of effects units, samplers and keyboards. They will also be guided through their recording by Greg, so don't worry if you've never been in a studio before.

As well as the recording time, both the winner and runner-up will receive a copy of Bars & Pipes Professional 2 sequencer from Blue Ribbon Soundworks, which received a Format Gold 90 per cent in AF46. If you have B&P Pro 2, then you can choose from the range of Blue Ribbon products instead, like the Super Jam! music creation package, or Triple Play Plus, which gives a total of 48 MIDI channels when plugged in your Amiga. So check out the 'How to Enter' box right now!



Both the winner and runner-up of this competition will receive a copy of the excellent *Bars & Pipes Pro 2*!

HOW TO ENTER

What you have to do is create a piece of music using your Amiga. This could be either using the Amiga's internal sound and sample capabilities, or using your Amiga to drive external MIDI instruments if you have them.

When you have created your music, record it on to either ordinary cassette or DAT, and send it in to Deborah Thackery–Tyres at the following address:

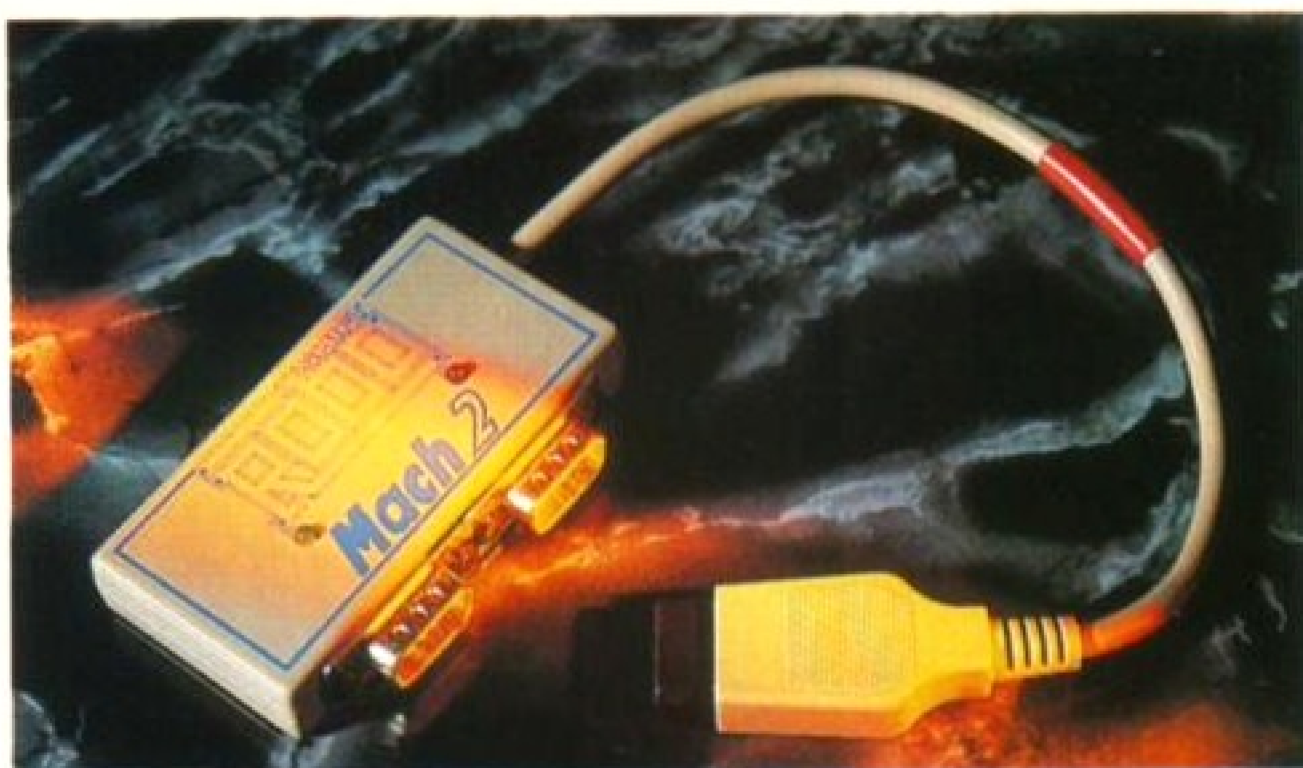
Heritage Studios, Heritage House, Main Street, Upton, Huntingdon PE17 5YF.

Your entry must arrive by 1 October 1993, which gives you a full three months to compose your masterpiece. The entries will be judged by a panel including Evelyn Glennie, Greg Malcangi and a member of Commodore. The prize will be presented at the Future Entertainment Show on 11-14 November (the winner and runner-up will be given free tickets to the show and transport within the UK, if necessary, will be arranged).

Please supply a list of equipment you have used, so that the judges can take this into account when listening to your music – that way, a piece of music created using *ProTracker* will have as much chance of winning as a piece created using professional equipment. Don't send an original master of your music, because it cannot be returned to you.

THE RULES

Employees of Future Publishing and Commodore Business Machines may not enter. Entries will be judged by the panel after the closing date of 1 October 1993. The judging panel's decision is final.



RoboShift 2 is a small box which connects your mouse and joystick to the Amiga. Switching between them is only a click away.

Robo Shift 2

Joystick/mouse switcher ■ £19.99 ■ Meedmore Ltd

Constantly unplugging your mouse to plug in the joystick for a quick game of *Defender* is not only a pain, but it's bad for the connectors. With all that repeated insertion and removal, something, as they say, has got to give. Chances are that eventually it will either be the mouse port or the plug, leaving you with a dead rodent. Plus, if your Amiga set-up is anything like most of ours, the rear of your machine will resemble the offcuts bin of a cable factory, making finding the appropriate cable rather difficult.

The Robo Shift is designed to get around this, by allowing you to leave both the mouse and joystick plugged in. It's a small grey box, approximately two inches wide, one inch deep and half an inch high. Two sockets (for the mouse and joystick) are on the front of this box, with a couple of different coloured LEDs indicating which is currently active. A cable runs from the right of the box and plugs into the mouse port of the Amiga. It draws the minimal amount of power it needs from this port.

To switch between the mouse and joystick you just press the left button on the one that isn't active – control switches over to the other device, and is indicated by the LED on the unit. The previous Robo Shift had the annoying habit of passing this through to the Amiga, meaning that you could activate things that you don't want to. Fortunately, the new version doesn't do this, and the only effect of clicking is to change over the activated device.

The Robo Shift 2 also includes a mouse emulator and autofire module, which are activated by pushing the joystick up or down when you click to select it. These modules are also available on their own (see box below).

The autofire option works fine on any joystick without this built in, but it's a pity that it's not more user controllable, as the rate of fire can't be altered. The mouse emulation works with most drives, and is almost useable with a joypad. However, it refused to work with some joysticks, and the lack of a right button on most joysticks means that this is rather useless. Why you would you want this module on a device for switching between a joystick and a mouse is a mystery – why not just switch over to the mouse? It's probably designed for use with certain flight sims, such as *ProFlight*, which play better with the mouse

If you want to avoid constantly switching leads over, the Robo Shift 2 achieves this. But it is rather expensive, and the autofire and mouse emulation facilities are of limited use.

Richard Baguley



70%

ROBO SHIFT 2 is available from Meedmore Ltd on 051-521 2202

JOYSTICK? I WANT A MOUSE!

The mouse emulator and autofire modules built into the Robo Shift 2 are also available as separate modules which fit in between the joystick and the port on the back of the Amiga. The Cybershot autofire module (£5.99) gives any joystick autofire, although it's not switchable, so you're stuck with it unless you keep plugging and unplugging it. As with most joysticks, control over the rate of autofire is lacking.

The Mock-e-Mouse Mouse emulator (£8.99) attempts to turn your joystick into a mouse, although its success is limited. Moving the mouse pointer is possible with some joysticks (such as the Konix Speed King), but it refuses to work with others (in particular the Powerplay Competition Pro). The other problem is although most joysticks have two buttons, these are usually wired together, meaning that there is no equivalent of the right mouse button, so you can't access menus.



You can power up your joystick, or even give it a new identity of the long-tailed type.

DP IBM Analog Interface

Joystick/mouse switcher ■ £14.95 ■ Digi Print

DP IBM ANALOG JOYSTICK INT ERFACE Is available from Lightwave on 051-630 5003.


Now you too can plug ridiculously large and weird shaped PC joysticks into your Amiga, and pretend that you're flying a real plane.

IF YOU'RE A flight sim freak, you will probably be bemoaning the lack of any decent analogue joysticks for the Amiga. The PC, however, has many models, including several weird shaped models designed to complement flight sims by acting as aeroplane yokes. Unfortunately, the Joystick interface on the PC is very different, so up until now it hasn't been possible to connect these to an Amiga.

The DP IBM Analog Interface is a short grey cable, about a foot long, with a standard Amiga 9-pin plug on one end, and a 15-pin socket where the IBM joystick plugs in. This also has a three-way switch which alters its sensitivity, as joysticks don't all act the same. Once you've plugged in your analogue joystick, it acts like a standard Amiga one.

Most flight sims support the use of analogue joysticks, and it makes programs such as *Knights of the Sky* far easier to control. However, many programs don't allow you to use the buttons on the stick, so you have to use both this and the keyboard. The DP interface passes the signals correctly, but the software doesn't pick it up. However, playing some games such as *F15 Strike Eagle II*, and using a large yoke type stick adds a new dimension to flying. This adapter is only as good as the joystick you plug into it, but the interface works well, and allows you to use all of the joysticks available for the IBM PC.

Richard Baguley



80%

WeServe of Hampshire Established 8 years

High quality products. Full technical support.

Visit our showrooms. See before you buy.

Amiga Workstation /Expansion System

Monitor stand with shelf for drives etc. Strong metal construction made from 14SWG steel epoxy coated. No Cables or mouse are included.

Special price £27.50

New Citizen

Swift 90

Advanced 9pin printer, (Swift 9 replacement). *optional colour. Price with cable & paper

90 Mono	£155
90C Colour	£179

Swift 240

*24pin Colour**

Advanced 24pin printer, (Swift 24E replacement). *optional colour. Price with cable & paper

240 Mono	£245
240C Colour	£265

Swift 200

*24pin Colour**

Enhanced 24pin printer, (Swift 224 replacement.) *optional colour. Price with cable & paper

200 Mono	£205
200C Colour	£229

Citizen 120D+

with cable & paper £115

All Citizen printers have a 2 year warranty

Citizen's Print Manager

These advanced printer drivers transform colour printout's to laser type quality

Version 1 (224 & 24E) £5
Version 2 (Swift series 2) £10

Drivers 1/2 price if bought with a printer

Printer Drivers

Canon BJ-10e/ex £5
Deskjet 500 Colour £10

Panasonic KXP1123

Probably the best 24pin mono printer available. With cable & paper £169

Panasonic/Epson

KXP4410 Laser 5ppm	493
KXP1170 9pin	134
KXP1124i 24pin	215
KXP2180 9pin Colour	189
KXP2123 24pin Colour...	229
Epson LX400 9pin	119
Epson LQ570 24pin	265

Prices include VAT cable & paper

Bodega Bay

A500 expansion system with built in PSU & SCSI controller. Turns a 500 into a 1500. £149

360K drive £29

Golden Image Mouse

for Atari ST & Amiga £13.90

Deskjet 510

HP 300dpi Inkjet printer. Laser quality at dot matrix price.

3 year warranty. With cable & paper £329

Deskjet Colour

300dpi colour inkjet printer. Colour laser quality at 1/10 of the cost.

3 year warranty. With cable & paper £429

Deskjet 550C

300dpi colour inkjet printer. Colour laser quality, with colour and black cartridges resident.

3 year warranty. With cable & paper £629

Floppy Drives

Cumana CAX354

£52.90 1M external While stocks last

New Roctec/Zappo

All Amigas A500-A1200 1M external drive £52.90

Printer Packs

All printers are supplied with a printer pack consisting of printer paper and a connection cable. *Free of charge*

A stand is £5.00 extra (with a printer)

Ink Refills

BJ10 twin refill varoius colours 15.90
Deskjet twin refill various colours 15.90
(We stock 200 types of ribbons)

Printer Dust Covers

most types in stock from £4.70

Canon BJ-10ex

360dpi Inkjet printer with cable & paper £199

Star SJ-48

360dpi Inkjet printer with cable & paper £199

Star LC100

9pin colour with cable & paper £149

Star

LC20 Mono 9pin	123
LC200 Colour 9pin	179
LC2420 Mono 24pin	185
LC24100 Mono 24pin	175
LC24200 Colour 24pin ..	249

Prices include VAT cable & paper

Kickstart Upgrades

Commodore 2.04 full upgrade	79.00
Kickstart ROM only v2.04	41.50
Kickstart ROM only v1.3	29.00
Phoenix rom sharer	24.95
Keyb'd operated rom sharer	24.95
VXL30 25MHz Accelarator ..	239.00
Fatter Angus custom chip	37.50

True Mouse

for Atari ST & Amiga £14.90

Happy Mouse

for Atari ST & Amiga £14.90

New Prices

GVP Series 2

A500 Hard Disks

50Mb Hard Disk	£249
80Mb Hard Disk	£339
120Mb Hard Disk	£389
40Mb A530 Combo	£459
80Mb A530 Combo	£549
120Mb A530 Combo	£645

A1500 Hard Disks

40Mb Hard Disk	£275
80Mb Hard Disk	£319
120Mb Hard Disk	£395
Controller (no disk)	£129

GVP ram £29 per 1Mb

GVP PC Emulator £99

286 16MHz Emulator for HD8+/A530

Commodore A590

20M Hard Disk for A500 £189

Accelerators/Emulators

MBX 1200 4Mram 14MHz	£309
MBX 1200 8Mram 14MHz	£439
1500 CBM A2386 SX-25	£249
A3220 Display Enhancer	£99

Ram Upgrades

A500 0.5-1Mram +clock	£24.90
A500 0.5-1Mram no clock ...	£19.90
A500+ 1Mram +clock	£49.90
A600 CBM 1Mram +clock ..	£38.00
2M Smart card A600/1200	£124.00
4M Smart card A600/1200	£195.00

Commodore 1084ST

14" Stereo Colour Monitor. 0.42mm Pitch. Medium Res. +stand

£179 with cable — £175 without cable

Prices valid while stock lasts

Philips CM8833 MK2

UK. 240V +game — £215 with cable — £211 without cable

Some monitors include a free ST/Amiga game

Accessories

3M Joystick/Mouse lead	3.75
A500 Printer cable	7.95
Modulator/Disk Extension	10.95
23way Plug or socket	2.95
Computer Dust Cover	4.70
Type Through Covers	17.50
Mouse Mat (thick soft type) ..	4.95
Mouse House	2.95
1M internal 3.5" drive	49.00
A500 replacement PSU	39.00
A590 replacement PSU	49.00
Rocgen Plus - Genlock + ..	129.00
Disc Wallet for 32 disks	7.95

Amiga 500+

Cartoon Classic Pack £215

Amiga 600SD

(D.Paint III, Grand Prix, Putty, Pushover)

Wild Weird & Wicked	£219
with 1 free game	£194
with NO Software	£189

Amiga 600HD

(20M Hd, Trivial P., Epic, Rome, Myth)

Epic Pack	£319
20M Hd NO Soft/W	£299

Amiga A1200

Now with free game

5x faster. Workbench v3. 2M ram. Custom graphic 256K col. from 16.7M

No Hd	£359
80M Hd	£589
120M Hd	£669

Official Commodore approved Hard Disk with Wang on-site.

Amiga A4000

4000/40 6M 120Mb	£1975
4000/30 4M 120Mb	£1099
4000/30 4M 80Mb	£999
4000/30 2M 80Mb	£919

Zool Pack add £20

Amiga A1500+

with full software £439

SONY DISKETTES

SONY branded

(lifetime warranty)

(100% certified error free)

10x 3.5" DS/DD 135tpi	7.50
50x 3.5" DS/DD 135tpi	32.30
100x3.5" DS/DD 135tpi	59.93
250x3.5" DS/DD 135tpi	141.00
1kx 3.5" DS/DD 135tpi	540.50

DISKETTES

SONY / DYSAN bulk

(lifetime warranty)

(100% certified error free)

10x 3.5" DS/DD 135tpi	5.95
50x 3.5" DS/DD 135tpi	21.86
100x3.5" DS/DD 135tpi	39.60
250x3.5" DS/DD 135tpi	94.88
1kx 3.5" DS/DD 135tpi	379.53
40 x 3.5" Disk box with lock......	5.49
100 x 3.5" Disk box with lock....	7.50

Carriage on 50+ disks £3.53

Phone for our 70 page catalogue. All prices include 17.5% VAT
EDUCATIONAL AND GOVERNMENT ORDERS WELCOME

All products have a 30 day money back & 12 month warranty. Prices are subject to variation without prior notification. Please phone for express clearance of cheques. Credit APR 29.8% **Established 8 years.** 3 minutes from M27 Junction 11. Free parking. Open 9 to 5.30 Monday to Friday & 9 to 5 Saturday. Carriage/order. Postage 94p or £3.53 Securicor £6.46 Securicor AM £11.75

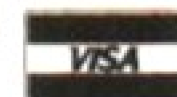
AUG 93

Tech. Support 647400

WeServe



Larger items delivered by Securicor



Amiga/Format Dept.
40-42 West Street
Portchester Hants
PO16 9UW
Tel: 0705 647000

WeServe *Best for service* Telephone 0705 647000

POST HASTE

11a, Burgate Lane, Canterbury, Kent. CT1 2HH

TRY US.. WE LIVE UP TO OUR NAME.. RING NOW!!!

TEL.0227-764204 9.30am to 7.00pm

(Answerphone outside normal hours)

Select any 3 titles £7.99 or less for only £20.00

SOFTWARE

Some of the following games titles are limited offers at the time of going to press. Order early to avoid disappointment. We stock all the latest titles which we offer at

30% OFF
R.R.P.

EDUCATIONAL

ADIEnglish(11/12or12/13)	16.99
ADIEnglish(13/14or14/15)	16.99
ADIFrench(11/12or12/13)	16.99
ADIFrench(13/14or14/15)	16.99
ADIMaths(11/12or12/13)	16.99
ADIMaths(13/14or14/15)	16.99
ADIJunior Counting(4/5)	13.99
ADIJunior Counting(6/7)	13.99
ADIJunior Reading(4/5)	13.99
ADIJunior Reading(6/7)	13.99
Answerback Junior	13.99
Answerback Senior	13.99
Arithmetic (Answrbak data)	7.49
Spelling (Answrback data)	7.49
Better Maths (12-16)	13.49
Better Spelling (over 8)	13.49
Cave Maze	10.99
Count and Add	16.99
First Letters	6.99
Fraction Goblins	10.99
FunSchool2(2-6,6-8,or8+)	7.99
FunSchool3(2-5,5-7,or7+)	16.99
FunSchool4(2-5,5-7)	16.99
FUN SCHOOL 4 (7 +)Only	9.99
Henriettas Book of Spells	16.99
Hooray for Henrietta	16.99
Kid Pix (Paint Package)	16.99
KidsAcademyWWW4-8	14.99
KidsAcademyShop'n 6-8	14.99
KidsAcademyPuzzle 6-8	14.99
Lets Spell at Home	13.99
Lets Spell at the Shops	13.99
Lets Spell Out and About	13.99

4 Wheel Drive

Lotus Turbo Challenge
Toyota Celica GT Rally
Combo Racer
Team Suzuki

ONLY £9.99

OK A500+ and A600

Magic Maths (4-8)	13.49
Maths Adventure	16.99
Maths Dragons	10.99
Maths Mania (over 8)	13.49
Mavis Beacon Typing 2	19.99
Mega Maths	16.99
Merlin Maths	16.99
Micro English	16.99
Micro French	16.99
Micro German	16.99
Micro Maths	16.99
Micro Science	16.99
Mickey Mouse ABC	16.99
Mickey Mouse Jigsaw	16.99
Mickey Mouse Memory	16.99
Mickey Mouse 123	16.99
Mix & Match	16.99
Noddy's Playtime	16.99
Paint and Create	16.99
Paint Me a Story	14.99
Picture Fractions	10.99
Reasoning With Trolls	10.99
Shapes and Colours	6.99
Shoe People	7.99
Sooty's fun with numbers	13.99
Spelling Fair	16.99
Telling The Time	10.99
Things to do Numbers	13.99
Things to do Words	13.99
Thomas Tank fun words	13.99
Three Bears	13.49
Tidy The House	10.99
Voyager (Astronomy)	59.99

CHAMPIONS

Manchester United, World Champ. Boxing Manager, J.Khan Squash.

Only £9.99
OK A500+ and A600

GAMES

1st Division Manager	6.99
3D Pool	7.99
688 Attack Sub	9.99
Action Stations	7.99
Agony	9.99
Alien Breed 92	7.99
Arkanoid Revenge Doh	6.99
Armalyte(1.3 Only)	4.99
Ashes of the Empire	12.99
Awesome (Psygnosis)	7.99
Bard's Tale III	7.99
Batman the Movie	6.99
Battle Squadron	6.99
Battlechess	7.99
Betrayal(1.3 Only)	4.99
Bignose Caveman	6.99
Blitzkreig	7.99
Bubble Bobble	6.99
Bubble Dizzy	6.99
Budokhan	9.99
Captain Dynamo	6.99
Captive	9.99
Carrier Command	7.99
Centurion Def. of Rome	7.99
Champions Compilation	9.99
Chase HQ	6.99
Chuck Rock	9.99
Classic 4	6.99
Colossus Chess X	6.99
Count Duckula 2	6.99
Crystal Kingdom Dizzy	13.99
Deluxe Strip Poker 2	9.99
D'Generation	9.99
Dizzy Prince of Yolkfolk	6.99
D J Puff	6.99
Double Dragon II	7.99
Edd the Duck 2	6.99
F16 Combat Pilot	7.99
F19 Stealth Fighter	10.99
Falcon	9.99
Fantasy World Dizzy	6.99
Final Fight	7.99
Flight of the Intruder	9.99
Future Wars	9.99
Gauntlet 2	6.99
Gem X	6.99
Ghostbusters 2	6.99
Ghouls 'n' Ghosts	6.99
Harlequin	7.99
Head Over Heels	6.99
Hero Quest	7.99
Hudson Hawk	6.99
Indy Jones+L.C.Action	6.99
Indy Jones+L.C.Gr.Adv	9.99
International Karate +	6.99
Jack Nicklaus Golf	6.99
James Pond	6.99
Jet Set Willy II	7.99
John Barnes Football	9.99
Keef The Thief	7.99
Kick Off 2	7.99
KickOff 2 Europe data	6.99
KickOff 2 Giants data	6.99
KickOff 2 W.Tactics data	6.99
Killing Game Show	7.99
Knightmare	9.99
Last Ninja 3	7.99
Legend	10.99
Little Puff	6.99
Lombard RAC Rally	6.99
Lotus 1	7.99
Lotus 2	7.99
M1 Tank Platoon	9.99
Magic Garden	7.99
Magicland Dizzy	6.99

Manchester United	7.99	Shadow of the Beast 3	9.99
Maniac Mansion	9.99	Shadow Warriors	6.99
Manic Miner	7.99	Shadowlands	9.99
Menace	6.99	Simpsons	7.99
Mercs	7.99	Slightly Magic	6.99
Microprose Soccer	6.99	Sly Spy	6.99
Midnight Resistance	6.99	Smash TV	6.99
Midwinter	9.99	Sooty & Sweep	6.99
Myth	7.99	Space Crusade	7.99
Narco Police	6.99	Space Crusade (Data)	9.99
Navy Seals	7.99	Spellbound Dizzy	6.99
New Zealand Story	6.99	Steg the Slug	6.99
Ninja Warriors	7.99	Streetfighter	7.99
North & South	6.99	Strikefleet	9.99
Obitus (Psygnosis)	7.99	Stunt Car Racer	6.99
Oops Up	6.99	Supercars 2	7.99
Operation Stealth	9.99	Super Hang On	6.99
Operation Thunderbolt	6.99	Super Monaco GP	7.99
Outrun Europa	7.99	Super Off Road Racer	7.99
Pacland	7.99	Switchblade 2	7.99
Pacmania	7.99	Swiv	7.99
Pang	6.99	Sword of Sodan	7.99

TOP TITLES SPECIALS

Putty, Zool, John Madden's Football, Sensible Soccer 92/93, PGA Golf+Courses, Road Rash, A.Macleans Pool, Premier Manager, Nigel Mansell Grand Prix, Chaos Engine, Chuck Rock 2, Arabian Nights .... *£16.99 EACH*

Body Blows, Superfrog, Lemmings 2, Scrabble (New). .... *£17.99 EACH*

Alien 3, Street Fighter 2, Populous II, Dynablasters, KGB, Ishar, Castles, Dungeon Master & Chaos Strikes Back, Pinball Fantasies, Reach For The Skies, War in the Gulf, Combat Air Patrol, Flashback, Exodus, Humans 2, Silent Service 2, Eye of the Beholder 2, Lionheart, Reach for the Skies, Graham Gooches Cricket, Desert Strike, Cohort 2, ... *£19.99 EACH*

Civilisation, Knights of the Sky, Microprose Grand Prix, Campaign, Links Golf, Curse of Enchantia, Nick Faldo Golf, Gunship 2000, History Lines, Sim Earth, Legend of Kyrandia, A-Train, B17 Flying Fortress............ *£22.99 EACH*

Monkey Island 2, Indiana Jones Fate Atlantis.... *£23.99 EACH*

Paperboy 2	7.99	Terminator 2	6.99
Pictionary	6.99	Test Drive II	6.99
Pinball Magic	7.99	Thomas Tank & Friends	6.99
Pirates	9.99	Thunderhawk	12.99
Pitfighter	6.99	Tie Break (Tennis)	7.99
Plague	6.99	Total Recall	6.99
Popeye 2	6.99	Trivial Pursuit	6.99
Populous + Lands	9.99	Turbo Outrun	6.99
Postman Pat 3	6.99	Turrican	6.99
PP Hammer	6.99	Turrican II	7.99
Prehistorik	7.99	Turtles 2 The Coin Op	7.99
Prince of Persia	6.99	Ultimate Golf	7.99
Pro Tennis Tour	6.99	Video Kid	7.99
R-Type	6.99	White Death	7.99
Rainbow Islands	6.99	White Sharks	6.99
Rick Dangerous	6.99	Wing Commander	14.99
Rick Dangerous 2	7.99	Winning 5 Compilation	7.99
Robin Hood (Codemasters)	6.99	World Leaderboard Golf	7.99
Robocop	6.99	World Cricket	6.99
Robocop 3	12.99	WWF Wrestlemania	7.99
Rodland	7.99	Z-Out	6.99
Shadow Dancer	7.99	Zak McKraken	9.99

All Prices Include Delivery To Your Door.

VISA, MASTERCARD, EUROCARD and P.ORDERS are despatched same day! Please allow 4 working days for cheques to clear. CHEQUES/P.ORDERS payable to POST HASTE, 11a, Burgare Lane, Canterbury, Kent.CT1 2HH Overseas Orders add £2.00 postage for Software. Hardware overseas postage charged at cost. Prices are subject to alteration.

JULY ORDER FORM

Name____________________
Address____________________
____
____
____
Tel.No.____________________
Cheque/Credit No.____________________
Expiry Date.__________ Description of
Customer Ref.No.__________ Machine
Titles____________________
____
____
____

SERIOUS

VIDEO & MULTIMEDIA	
Photon Video (Cel Anim.)	7.99
Adorage	49.99
Big Altern. Scroller 2	37.99
Broadcast Titler 2	174.99
Broadcast Titler Fonts	99.99
Hyperbook	49.99
Scala	174.99
Scala 500	74.99
Director II	64.99
TV Text Professional	74.99
TV Show 2	49.99
Videotitler 1.5 3D	69.99
Video Fonts (Gold Disk)	39.99
WORDPROCESSING	
Final Copy	39.99
Final Copy II	74.99
SoftFaces 1,2,3 or 4(Fonts)	54.99
SoftClips	37.99
Penpal	34.99
Excellence 3	54.99
Protext 4.2	39.99
Protext 5.5	99.99
Word Perfect 4.1	159.99
Wordworth 2	79.99
Typesmith	109.99
SPREADSHEET	
ProCalc	124.99
Advantage	39.99
DG Calc	28.99
Maxiplan 4	39.99
DATABASES	
Infofile	19.99
Superbase Personal 2	19.99
INTEGRATED (WP/SS/DB)	
Mini Office	37.99
Gold Disk Office	49.99
DESKTOP PUBLISHING	
Pagesetter 3	49.99
PageStream	129.99
Publisher	34.99
Pro Page 4	99.99
Pro Draw 3	89.99
Outline fonts	99.99
Gold Disk Fonts 1-4	34.99
Expert Draw	49.99
CAD	
X-CAD 2000	89.99
X-CAD 3D	299.99
X-CAD Professional	89.99
ACCOUNTS	
Arena Accounts	69.99
Home Accounts	22.99
Home Accounts 2	34.99
Cashbook/Final Accounts	49.99
Person Finance Manager+	27.99
GRAPHICS	
Deluxe Paint IV AGA	64.99
Deluxe Photolab	19.99
Spectracolor	54.99
Disney Animation Studio	74.99
ProFills	24.99
Turboprint Professional	34.99
Art Department Pro 2.15	129.99
Morph Plus	139.99
KaraAnim Fonts 1, 2 or 3	29.99
KaraFonts Headlines 1or2	49.99
Kara Fonts Sub Headlines	44.99
3D MODELLING & RENDERING	
4D-Professional	199.99
Expert Draw 4D Jnr	47.99
Sculpt 3DXL	84.99
Sculpt Animate 4D	199.99
Vista Professional V3	44.99
Imagine 2	149.99
Real 3D Pro/Turbo V2	319.99
Real 3D Classic	67.99
PROGRAMMING	
Amiga Logo	19.99
Easy AMOS	22.99
AMOS Compiler	20.49
AMOS 3D	23.49
AMOS Professional	44.99
Devpac 3	49.99
Hisoft Pascal	74.99

You name it!...We do it!...
Just phone and we'll quote!
WE STOCK ATARI ST S/W
WE STOCK IBM/PC S/W
WE STOCK SNES CARTS.
WE STOCK SEGA CARTS.
WE STOCK LYNX CARTS.
WE STOCK C64 CARTS.

MAIL & TELEPHONE ORDERS ONLY!.......

NO PERSONAL CALLERS!

ADVANCE BOOKINGS

We accept advance orders for new releases. You can order with peace of mind as we will despatch on day of release. Your account will not be debited until date of release.

GFA Basic 3.5	7.99
MUSIC	
Bars & Pipes Pro 2	224.99
Superjam V1.1	79.99
TigerCub	74.99
Music Mouse	9.99
Stereo Master	29.99
Deluxe Music Const. Set	49.99
AudioEngine. Sampler V2	169.99
TechnoSound Sampler	29.99
Technosound Samples V2	34.99
Midi Interface + Lead	19.99
MISCELLANEOUS	
AREXX	32.99
Cross Dos 5	19.99
Directory Opus 4	54.99
Disk Accelerator Faccll	9.99
GB Route Plus (New Vers.)	34.99
Quarterback 5 H/D Backup	42.99
Quarterback Tools	49.99
Icon Paint	9.99

HARDWARE

A500 Plus Cartoon Classics	199
A600 Basic Pack	199
A600 Wild Weird & Wicked	229
A600HD 20Mb Epic Pack	379
A600HD 40Mb Epic Pack	429
A1200	369
A2000 (1 Only)	399
A4000/030(120MB)	999
GVP A500 42Mb+8Mb(0k)	269
GVP A500 80Mb+8Mb(0k)	379
GVP A500 120Mb+8Mb(0k)	479
GVP SCSI Control+8Mb(0k)	119
GVP SCSI 80Mb+8Mb(0k)	329
GVP SCSI 120Mb+8Mb(0k)	429
80Mb for A600/A1200	219
120Mb Maxtor bare h/drive	359
45Mb to 520Mb Bare h/disks	POA
Cumana 3,5" External Drive	55

A2620 Accelerator Card

(A2000/A1500)
This card contains the 68020 CPU, 68881 FPU & 68851 MMU plus 2 MEG 32Bit Fast Ram.
250% - 400% faster

£179

Very Limited Offer

Zappo 3.5" External Drive	55
Zydec 3.5" External Drive	50
A500 3.5" Internal Drive	49
A600 512k Upgrade	19
A600 1Mb Upgrade	38
A500 Plus 1Mb upgrade	35
A500 512k Ram (no clock)	20
A500 512k Ram + clock	25
1.5 Mb Ram Expansion	79
A500RX 8Mb RAM (2Mb)	129
A500RX 8Mb RAM (4Mb)	219
A500RX 8Mb RAM (8Mb)	339
1 Mbyte Simms	29
256kx4 RAM chips per Mb	35
1Mbx1 DRAM chips per Mb	35
AT-Once PC 286 Emulator	229
Rombo Vidi 12 Pack	89
Sharp JX100 A6 Col. Scanner	399
Zydec Hand Scanner	99
Power Scanner	99
Genitizer Graphics Tablet	129
Zydec Mouse(Microswitched)	12
Itsa Mouse (Microswitched)	12
Mouse Mat	3
50 Blank Disks	25
MONITORS	
Philips 8833-II (UK Model)	219
Commodore 1084/1085s	199
Commodore 1960 Multisync	399
PRINTERS	
(Inc. lead+Amiga Printer Driver)	
Star LC100 Colour	169
Star LC200 Colour	199
Star LC24-20 Mono	199
Star LC24-200 Colour	269
Starjet (Bubblejet)	219
Starscript Postscript Laser	1099
Citizen Swift 90 Colour	179
Citizen Swift 240 Colour	299
Citizen Swift 200 Colour	229
Canon Bubblejet Portable	219
HP Deskjet 550C Colour	599

AMIGA A500 PLUS CARTOON CLASSICS

With Deluxe Paint 3, Lemmings, Simpsons & Captain Planet. Mouse, modulator & Leads

£199

GAMES PROGRAMMERS AND ARTISTS/ANIMATORS



"BAAL" (PSYGNOSIS) - ST Format Gold 91% - ST user star game
"BLOOD MONEY" (PSYGNOSIS) - ST Format Gold 90% - NCE 5 star game
"ANARCHY" (PSYGNOSIS) - C&VG Hit ! 96% - Amiga Power 90%
"ORK" (PSYGNOSIS) - AA Accolade - NCE 5 star game

WJS Design are an experienced software house specialising in the very best 16 bit software on home computers and consoles. Vacancies within WJS Design have arisen and we will shortly be requiring the following people to join our in house team:



EXPERIENCED 68000 PROGRAMMERS (AMIGA/MEGADRIVE)
EXPERIENCED 3D PROGRAMMERS (68K/80x86/C)
PC ASSEMBLER PROGRAMMERS

EXPERIENCED MAC USER AND 'C' PROGRAMMER TO WORK ON THE BRAND NEW STATE OF THE ART 3DO SYSTEM

Salary 12-25K depending on experience.
You must be able to support your application with demonstrations of your work on floppy disk.
Also required:

ARTISTS/ANIMATORS

Salary 12-20K depending on experience.

Must have a vivid imagination and impeccable animation skills. You will be required to work on computer using a top art package. 3D Studio experience is advantageous but not essential.

The successful applicants will be self-motivated, take pride in their work, non-smoking and possess a sense of humour ! In return we can offer a competitive salary, top development systems and a relaxed working environment. We even give you FREE COFFEE, now we can't say fairer than that can we ?

If YOU would like to put your name to some of the best software around, and you think you've got what it takes (and you like coffee) telephone:

WAYNE SMITHSON on 0532 362225

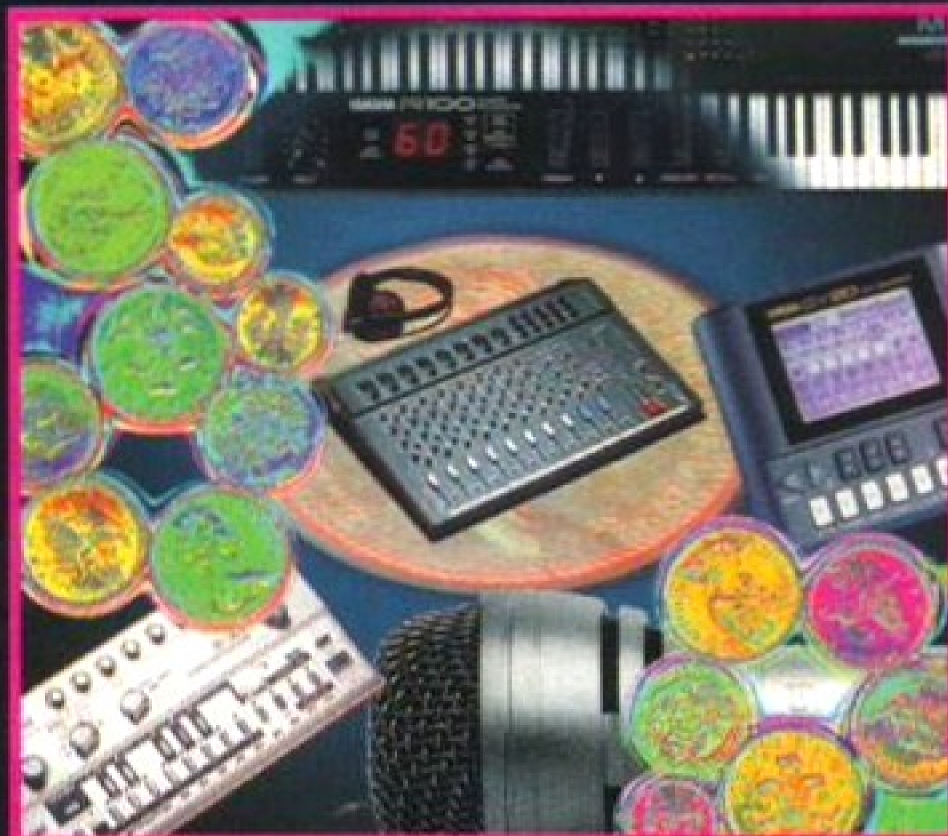
or write: WJS DESIGN
UNIT 2, BRAMLEY BUSINESS CENTRE, STANNINGLEY ROAD, LEEDS LS13 4EN
No agencies please.

Make music on a budget

FUTURE MUSIC

You and your computer can make amazing sounds, without burning a hole in your wallet.

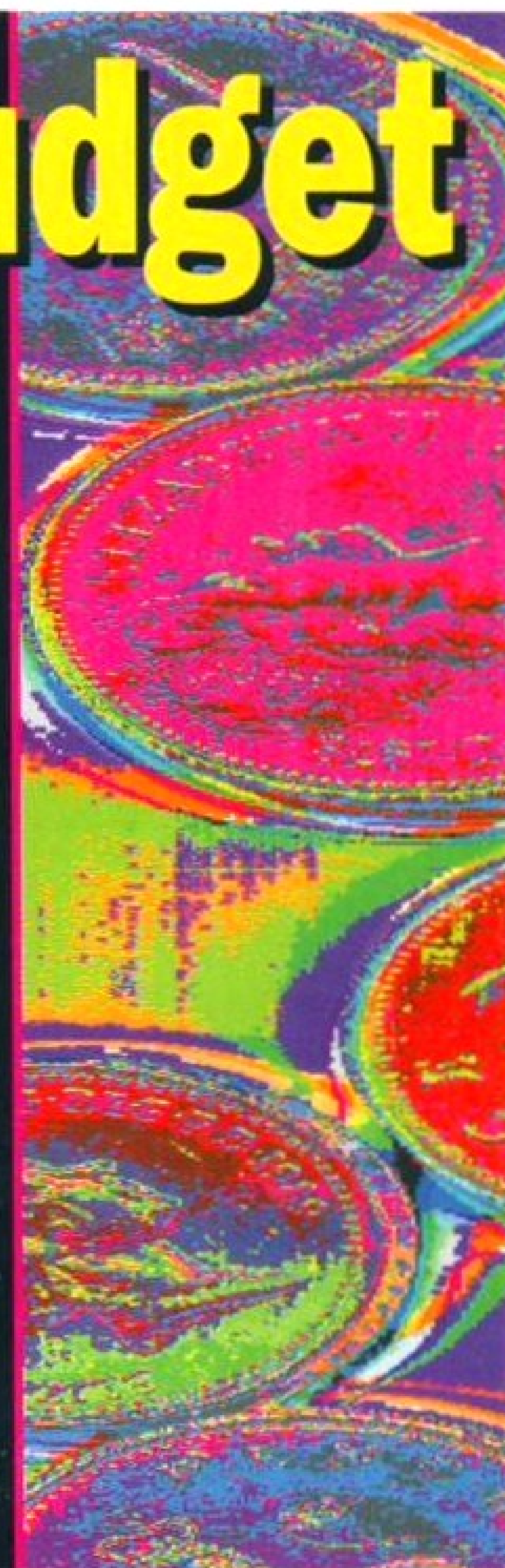
This month *Future Music*, Britain's best-selling music technology magazine, shows you how it's done.



Plus...

- **Utah Saints – their chart-topping, techno-punk, sample-mangling secrets revealed.**
- **Evelyn Glennie – the world's top percussionist invites you into her new digital studio.**
- **All the latest music software and high-tech hardware reviewed.**

***FM* 10 is at your newsagent on 15 June – don't miss it!**



Premier Mail Order

E&OE

*Titles marked * are not yet available and will be sent on day of release. Please send cheque/PO/Access/Visa No. and expiry date to:*

Dept AF49, 10 Tinkler Side, Basildon, Essex SS14 1LE Tel: 0268-271172 *Fax: 0268-271173*

Telephone orders: Mon-Fri 9am-7pm and Sat & Sun 10am-4pm. We are open 364 days a year

P&P and VAT is included for all UK orders. Please add £2 P&P for Europe and £3.50 for rest of the world. Next day service available UK only £3.00 per item

Title	Price
1869 *	20.99
1st Division Manager	6.99
3D Con Kit 2	34.99
A - Train	**22.99**
A320 Airbus (Europe)	**22.99**
A320 Airbus (USA)	**22.99**
A320 Approach Trainer*	**22.99**
AV8B Harrier Assault (1 Meg)	22.99
Abandoned Places 2	22.99
Addams Family	16.99
Air Support	19.99
Air, Land, Sea	24.99
Alien 3	19.99
Alien Breed 2 *	19.99
Alien Breed Special Edition	10.99
Altered Beast	6.99
Ambermoon*	20.99
Amos 3D	24.99
Amos Compiler	19.99
Amos Professional	44.99
Amos the Creator	29.99
Ancient Art of War	22.99
Another World	19.99
Aquatic Games	16.99
Arabian Nights	17.99
Archer Maclean's Pool	16.99
Arkanoid 2	6.99
Arsenal FC *	16.99
Ashes of Empire (1 Meg)	22.99
Assassin	16.99
Atac*	22.99
Award Winners	16.99
B.C. Kid	16.99
B17 Flying Fortress (1 Meg)	**22.99**
Bat 2 (1 Meg)	26.99
Batman the Movie	6.99
Battletoads	19.99
Big Box 2	19.99
Bill's Tomato Game	19.99
Birds of Prey (1 Meg)	22.99
Bitmap Bros Vol 2*	17.99
Black Crypt	19.99
Body Blows (1 Meg)	**18.99**
Bonanza Bros	16.99
Bubble Bobble	6.99
Caesar (1 Meg)	19.99
California Games 2	7.99
Campaign	**22.99**
Campaign 2 *	22.99
Campaign Mission Disks *	11.99
Captive 2*	20.99
Carl Lewis Challenge	16.99
Championship Manager 93 (1 Meg)	16.99
Chaos Engine	**16.99**
Chuck Rock 2	16.99
Civilisation (1 Meg)	**22.99**
Cohort 2 *	19.99
Combat Air Patrol *	19.99
Combat Classics	**19.99**
Contraptions *	13.99
Cool World	17.99
Covert Action (1 Meg)	22.99
Crazy Cars 3	16.99
Creepers	19.99
Cruise for a Corpse	19.99
Crystal Kingdom Dizzy	14.99
Curse of Enchantia (1 Meg)	22.99
Cyberspace *	22.99
D Day *	22.99
Daley Thompson Challenge	6.99
Dark Seed (1 Meg)	20.99
Dark Sun: Shattered Lands *	21.99
Darkmere *	20.99
Deluxe Paint 4 AGA	64.99
Desert Strike	**19.99**
Dizzy Collection	16.99
Dizzy's Excellent Adventure	16.99
Doodle Bug	17.99
Dragon's Lair 3	22.99
Dream Wet *	22.99
Dune	(See The Greatest)
Dune 2*	20.99
Dungeon Master + Chaos	19.99
Dynablaster	19.99
Easy Amos	29.99
Elite 2 *	22.99
Epic	19.99
Euro Football Champ	16.99
Euro Soccer	16.99
Exodus 3010*	19.99
Eye of the Beholder (1 Meg)	19.99
Eye of the Beholder 2 (1 Meg)	21.99
Eye of the Storm *	19.99
F15 Strike Eagle 2 (1 Meg)	(See Combat Classics)
F16 Combat Pilot	8.99
F19 Stealth Fighter	19.99
FA Premier League*	17.99
Falcon 3 *	24.99
Fantastic Worlds	22.99
Ferrari Grand Prix*	17.99
Final Fight *	8.99
Final Whistle	5.99
Fire Force	16.99
Fire and Ice	16.99
Firehawk	14.99
First Samurai + Mega-Lo-Mania	19.99
Flashback	**20.99**
Flight of the Intruder	10.99
Football Crazy Compilation	16.99
Football Manager 3 *	16.99
Formula 1 Champions	19.99
Formula One Grand Prix	**22.99**
G LOC	16.99
Games 92-Espana	19.99
Giants of Europe	5.99
Goal	20.99
Gobliiins 2	19.99
Gods	16.99
Graham Gooch	**19.99**
Graham Taylor (1 Meg)	16.99
Grand Slam Collection	13.99
Grusome *	16.99
Gunship 2000 * (1 Meg)	22.99
Guy Spy	19.99
Harpoon + Battleset 2	22.99
Harpoon Battleset 3	9.99
Harpoon Battleset 4	9.99
Harpoon Scenario Editor	13.99
Harrier Jump Jet *	22.99
Head over Heels	6.99
Head to Head	22.99
Heimdall (1 Meg)	19.99
History Line 1914-18 (1 Meg)	**22.99**
Humans Race - The Jurassic Levels	19.99
IK+	6.99
Indy Jones - Atlantis Adv	24.99
Int Sports Challenge	19.99
International 3D Tennis	5.99
International Rugby Challenge	17.99
Jack Nicklaus Extra Courses	10.99
Jack Nicklaus Golf	7.99
Jaguar XJ220 (1 Meg)	16.99
Jahangir Khan World Champ Squash	5.99
Jimmy Whites Snooker	(See The Greatest)
Jo & Mac Caveman Ninja *	17.99
John Madden	16.99
KGB (1 Meg)	20.99
Knightmare	11.99
Knights of the Sky (1 Meg)	22.99
Leeds United	17.99
Legend	12.99
Legend of Kyrandia (1 Meg)	23.99
Legends of Valour	24.99
Lemmings + Double Pack	19.99
Lemmings 2 The Tribes	**17.99**
Lethal Weapon	16.99
Lionheart	18.99
Lombard Rally	6.99
Lure of the Temptress	(See The Greatest)
Magic Boy *	17.99
Magic Pockets	16.99
Man Utd. Europe	16.99
Match of the Day	16.99
McDonalds Land*	17.99
Mega Collection	16.99
Mega Fortress (1 Meg)	22.99
Mega Sports	19.99
Mega Traveller 1 (1Meg)	19.99
Mega Traveller 2 (1 Meg)	19.99
Mercs	7.99
Microprose Golf 1 Meg	22.90
Midwinter 2 (1 Meg)	22.99
Mig 29	2.99
Monopoly	18.99
Moonstone (1 Meg)	11.99
Narco Police	5.99
New Zealand Story	6.99
Nick Faldo's Golf (1 Meg)	22.99
Nigel Mansell W. C. (A1200)	19.99
Nigel Mansell World Champ	19.99
No Second Prize (1 Meg)	17.99
Operation Stealth	11.99
Operation Wolf	6.99
Oriental Games	6.99
Ork	19.99
Outrun	6.99
Overdrive	16.99
PGA Golf Courses Disk	9.99
PGA Tour Golf+	19.99
Pang	6.99
Parasol Stars	16.99
Perfect General	22.99
Perfect General Data Disk	14.99
Pinball Dreams	16.99
Pinball Fantasies	19.99
Pinball Magic	6.99
Piracy	19.99
Pools of Darkness (1 Meg)	21.99
Populous 2+ (1 Meg)	22.99
Populous Challenge Disk	10.99
Powermonger	19.99
Powermonger Data Disk 1	9.99
Prehistoric 2*	16.99
Premier Manager	**17.99**
Premier Manager 2 *	17.99
Premiere (1 Meg)	19.99
Prime Mover *	17.99
Prince Of Persia	6.99
Pro Tennis Tour 2	16.99
Project X	16.99
Pushover	16.99
Putty (1 Meg)	16.99
Quest for Glory	26.99
R-Type	6.99
RBI 2 Baseball	6.99
Ragnarok *	22.99
Railroad Tycoon (1 Meg)	22.99
Rainbow Collection	13.99
Rainbow Islands	6.99
Rampart	16.99
Raving Mad	17.99
Reach for the Skies	**19.99**
Red Zone	16.99
Renegade	6.99
Renegade 2 *	16.99
Return to Europe	5.99
Risky Woods	16.99
Road Rash	19.99
Robo Sport	19.99
Robocop	8.99
Robocop 3	16.99
Rome AD 92	16.99
Rookies *	16.99
Sabre Team	19.99
Scrabble	**18.99**
Sea Air Rescue*	22.99
Secret Monkey Island 2 (1 Meg)	**24.99**
Secret of Monkey Island (1 Meg)	16.99
Sensible Soccer 92/93	**16.99**
Shadow Lands	19.99
Shadow Worlds	17.99
Shadow of the Beast 3	19.99
Shoot Em Up Con Kit	8.99
Shuttle	19.99
Silent Service 2 (1 Meg)	22.99
Silkworm	8.99
Sim City Deluxe	**22.99**
Sim City+Populous	19.99
Sim Earth	22.99
Simpsons	(See Super Fighters)
Sleepwalker	21.99
Sleepwalker A1200	21.99
Smash TV	6.99
Soccer Kid *	17.99
Soccer Stars Compilation	16.99
Space Crusade	16.99
Space Crusade & Voyage Beyond	11.99
Special Forces	22.99
Sports Masters	19.99
Starush *	16.99
Strategy Masters Compilation	20.99
Street Fighter 2 (1 Meg)	19.99
Strider	6.99
Striker (1 Meg)	16.99
Strip Poker 2 + Data Disk	6.99
Stunt Car Racer	6.99
Super Barbarian *	16.99
Super Cauldron *	16.99
Super Fighter	17.99
Super Hang On	6.99
Super Hero *	19.99
Super Tetris (1 Meg)	16.99
Supercars	6.99
Superfrog	17.99
Sword of Sodan	8.99
TV Sports Baseball	19.99
Team Yankee 2 (1 Meg)	19.99
Terminator 2	(See Dream Team)
The Greatest	**21.99**
The Humans	Call
The Immortal	10.99
The Kristal	6.99
The Legend Of Robin Hood	26.99
Their Finest Hour (1 Meg)	19.99
Titus the Fox	16.99
Tornado*	22.99
Toyota Celica GT Rally	5.99
Transarctica	17.99
Troddlers	16.99
Trolls	16.99
Trolls A1200	16.99
Turbo Challenge	8.99
Turbo Challenge 3 (1 Meg)	16.99
Twi-Light 2000*	20.99
U96*	22.99
Universal Monsters	17.99
Utopia + Data Disk	19.99
Vector Storm	19.99
WWF 1	8.99
WWF 2	17.99
Walker *	19.99
War in the Gulf	19.99
Waxworks	22.99
Ween	19.99
Western Front *	20.99
Whales Voyage	16.99
Winter Challenge *	22.99
Wizkid	16.99
Wolfchild	16.99
Zool 2 *	17.99
Zool A1200	16.99

JOYSTICKS/ACCESSORIES

Item	Price
1/2 Meg Upgrade	**24.99**
1/2 Meg Upgrade + Clock	**26.99**
Quick Joy Top Star	**17.99**
Quick Joy 2 Turbo	**10.99**
Quick Joy Jet Fighter	**11.99**
Cheetah 125+	**7.99**
Competition Pro Extra	**14.99**
Competition Pro 5000	**13.99**

SPECIAL OFFERS

Title	Price
Blues Brother	8.99
Chuck Rock	10.99
Colonel's Bequest	5.99
Cool Croc Twins	16.99
Harlequin	9.99
Jack Nicklaus Unlimited Golf (1 Meg)	12.99
Kick Off 2 1Meg	9.99
Kick Off 2 Final Whistle	7.99
Kick Off 2 Giants of Europe	7.99
Kick Off 2 Return to Europe	7.99
Kick Off 2 Winning Tactics	5.99
Kick Off 2 ; Meg	7.99
Paperboy 2	9.99
Seymour Goes to Hollywood	6.99
Thunderstrike	5.99
Turbo Challenge 2	8.99
Turtles 2 Coin OP	9.99
Wing Commander (1 Meg)	14.99
Zool	13.99

EDUCATIONAL

Title	Ages	Price
ADI English	(All Ages)	17.99
ADI French	(All Ages)	17.99
ADI Maths	(All Ages)	17.99
Better Maths	(12-16)	13.99
Better Spelling	(8-14)	13.99
Cave Maze	(8-12)	9.99
Fun School 2	(6-8)	6.99
Fun School 2	(+8)	6.99
Fun School 2	(U6)	6.99
Fun School 3	(5-7)	13.99
Fun School 3	(+7)	13.99
Fun School 3	(U5)	13.99
Fun School 4	(5-7)	16.99
Fun School 4	(7-11)	16.99
Fun School 4	(U5)	16.99
Fraction Goblins	(8-13)	9.99
Junior Typist	(5-10)	10.99
Magic Math	(4-8)	13.99
Maths Dragons	(6-13)	9.99
Maths Mania	(8-12)	13.99
Noddys Playtime	(3+)	16.99
Paint & Create	(5+)	17.99
Picture Fractions	(7-10)	9.99
Play Room	(3-8)	17.99
Play School	(3-8)	13.99
Reasoning with Trolls	(5-12)	9.99
Tidy the House	(6-10)	9.99
JUNIOR ADVENTURE		
The Wind in the Willows	(+6)	13.99
The Three Bears	(5-10)	13.99

BLANK DISKS

TDK/Verbatim
10 x 3.5" - £7.99
20 x 3.5" - £14.50
50 x 3.5" - £35.00

Precision - Boxed
10 x 3.5" - £6.45
20 x 3.5" - £11.99
50 x 3.5" - £26.00

Unbranded - Loose
10 x 3.5" - £5.99
20 x 3.5" - £10.99
50 x 3.5" - £23.99
100 x 3.5" - £44.99

Recycled - Loose
10 x 3.5" - £4.50
20 x 3.5" - £8.50
50 x 3.5" - £17.50
100 x 3.5" - £35.00

AMIGA REPAIRS

Repairs undertaken to Amiga 500 computers at £44.95 inclusive of parts, labour, VAT and return postage/packing

Commodore registered for full technical support

Computers repaired in the quickest possible time

All machines will be overhauled with a full soak-test to ensure optimum reliability

Entrust your machine to the experts, full 90 day warranty

Repairs to disk drive and keyboard also included (extra charge possible if found to need complete replacement)

Repairs to other Commodore systems undertaken - phone for details

Upgrades and expansions supplied and fitted - phone for details

£44.95

To take advantage of this exceptional offer, simply send or hand deliver your computer to our workshop complex, address details below, enclosing this advertisement voucher, payment, fault description, return address, along with your daytime and evening telephone number and we will do the rest. Should you require Group 4 Security return delivery, simply add £5.00 to the repair charge.






WTS Electronics Ltd Chaul End Lane Luton Bedfordshire LU4 8EZ Tel 0582 491949 (6 lines)

(We reserve the right to reject machines which, in our opinion, are beyond repair- Normal charge applies)



the latest AMIGA technology from the acknowledged experts

FREE GOLD SERVICE
SEE PAGE 3 FOR FULL DETAILS

HARWOODS AMiGA A600/A1200 Options

AND REMEMBER... When you buy an 'Options' pack from Harwoods you'll SAVE MONEY over buying individual product lines!
Just look for the Options Logo in this ad.

At Harwoods YOU decide the configuration of your NEW AMIGA! Do you want an A600 or A1200? Do you need a Hard Drive, and if so will it be a 40Mb. or an 120Mb. capacity? Would you prefer serious software or a terrific games pack [see our Power-Play Option]? Would you like to add memory to the computers capacity? Will you need a monitor or printer? Would you like the peace of mind of a LIFETIME warranty?
ALL THE Options ARE THERE FOR YOU TO TAKE!!!

AMIGA COMPUTER ▼ MODEL TYPE ▼	▼ SOFTWARE INCLUDED ▼	HARWOODS PRICE FOR STD UNIT	HARD DRIVE Options [see page 2] 40Mb.	60Mb.	80Mb.	120Mb.	210Mb.
A600 Stand Alone Pack [No Software]	NONE	£194.95	£329.95 SAVE £15	£379.95 SAVE £15	£399.95 SAVE £25	£469.95 SAVE £15	£569.95 SAVE £15
A600 Wild, Weird and Wicked Pack	MICROPROSE GRAND PRIX, PUSHOVER, SILLY PUTTY DELUXE PAINTIII	£224.95	£354.95 SAVE £20	£404.95 SAVE £20	£424.95 SAVE £30	£494.95 SAVE £20	£594.95 SAVE £20
A600 Epic Pack with 20Mb. Hard Disk Drive	EPIC, MYTH, ROME, TRIVIAL PURSUIT, MULTI LANGUAGE DICTIONARY, AMIGA TEXT WP, DELUXE PAINT III	£294.95	£344.95 SAVE £100	£419.95 SAVE £75	£439.95 SAVE £85	£509.95 SAVE £75	£629.95 SAVE £55
A1200 Stand Alone Pack [No Software]	NONE	£379.95	£514.95 SAVE £15	£564.95 SAVE £15	£594.95 SAVE £15	£654.95 SAVE £15	£754.95 SAVE £15
A1200 Comic Relief Pack with Sleepwalker	SLEEPWALKER RED NOSE COMIC RELIEF GAME	£384.95	£519.95 SAVE £15	£569.95 SAVE £15	£599.95 SAVE £15	£659.95 SAVE £15	£759.95 SAVE £15
A1200 PROPACK with 80Mb. Hard Drive (See details below)	SEE BELOW	£919.95 SEE BELOW	£869.95 SAVE £35	£889.95 SAVE £65	£919.95 SAVE £65	£989.95 SAVE £55	£1079.95 SAVE £65

Don't forget to consider your Options and SAVE!

AMIGA Options MULTI PURCHASE DISCOUNTS

MULTI-PURCHASE DISCOUNTS
When you buy more than one hardware item from Harwoods:
BUY A PRINTER WITH YOUR NEW AMIGA AND GET UP TO £15 OFF!
BUY A MONITOR WITH YOUR NEW AMIGA AND GET UP TO £20 OFF!
Phone for prices when buying more than one hardware item!

AMIGA Options MEMORY upgrades

Why not add EXTRA RAM to your Amiga with one of the following...

Amiga A600 1Mb.	£44.95
PCMCIA CARDS for A600/1200	
PCMCIA, 2Mb.	£114.95
PCMCIA, 4Mb.	£169.95

Please note the above prices only apply when upgrades are purchased WITH AN AMIGA!!!

HARWOODS AMIGA Options POWERPLAY PACK

Buy a Harwoods PowerPlay Pack for EXTRA ADDED VALUE!!!
Comp. Pro 5000 Microswitched Joystick, Amiga Dust Cover, 10 - 3.5" Blank Disks, Mouse Mat, Disk Storage Box, plus some great games: Xenon 2 Megablast, TV Sports Football, Hostages, Jumping Jackson, Stir Crazy, Bubble Plus, Bloodwych, TinTin On the Moon, Krypton Egg, Purple Saturn Day, Eliminator, Skychase, Safari Guns, Lombard RAC Rally, CaptainBlood, Strke Force Harrier, Sky Fox II & Lancaster.
Excellent Value... **£34.95**
...when purchased WITH AN AMIGA. Buy for just £39.95 if purchased separately. Please note Xenon 2 Megablast, Strike Force Harrier and Eliminator are NOT compatible with Amiga A1200/3000/4000 computers.

AMIGA Options ZOOL PACK

Buy a ZOOL PACK and get both Business and Games software!
- ZOOL - Great Sonic style game!
- PINBALL DREAMS - 4 Tables!
- STRIKER - Fantastic Football!
- TRANSWRITE - Easy to use Amiga WP!

Super Low... **£14.95** *Purchased WITH AN AMIGA, or £19.95 separately*

HARWOODS AMiGA4000 030 & 040 Versions

FANTASTIC NEW 68030 OR 68040 MODEL AMIGA ARE SHIPPING NOW WITH A CHOICE OF MEMORY FROM 2Mb. AND HARD DRIVES FROM 80 to 540Mb. AND...With FREE SOFTWARE TOO!

Phone Us Now For Details!

HARWOODS AMiGA1200PROPACK AMIGA A1200+Printer and More!

Everything you'd expect from a 1200 AND then LOTS MORE!
AMIGA A1200 COMPUTER FITTED WITH 80Mb.HARD DISK DRIVE and supplied with... CITIZEN 240C COLOUR PRINTER including all leads required and Citizen Print Manager 2 program PLUS... A1200 Dust Cover, 240C Dust Cover, Mouse Mat, Printer Paper and Labels AND the brilliant new Final Copy II Word Processing package.

HARWOODS NEW LOW PRICE!!!
only £919.95 inc VAT
Add just £5 and get the Comic Relief Red Nose Game, SLEEPWALKER too!!!
Ask about Hard Drive Options

stop press



Bring us ANY A500/500+ [Complete Pack] as originally purchased and in Full Working Order...
AND get up to £100 off the rrp of ANY Amiga A1200 or A4000 computer package from Harwoods!
PHONE US NOW AND ASK FOR DETAILS OF THIS GREAT OFFER



AT LAST... A monitor that can claim to be a TRUE MULTISYNC!
The NEW Microvitec will work with all Amigas and its specification is very impressive. The display is a 14" Colour with a maximum resolution of 1024 x 768 [interlaced], has a .28 dot pitch, and the built-in DMS [digital memory system] enables the Amiga and monitor to retain adjusted settings for each screen mode when changing between them. The new Microvitec is compatible with all Amigas, Atari ST/Falcons, IBM PC's, Apple Macs and Acorn Archimedes.
THIS MUST BE THE ONE FOR ALL SERIOUS AMIGA USERS! **£439.95**

NEW PRODUCTS
Canon
NEW BJ230 Mono, A3, 360dpi, 248cps, BIG A3 SIZE £399.95 (see page 2)
Ideal for use with Final Copy II Word Processor

MONITORS
NEW 1940 & 1942 Colour Multisync Monitors (see page 2)
NEW PRODUCTS

HARWOODS AMiGA WWW LIFETIME WARRANTY PLAN

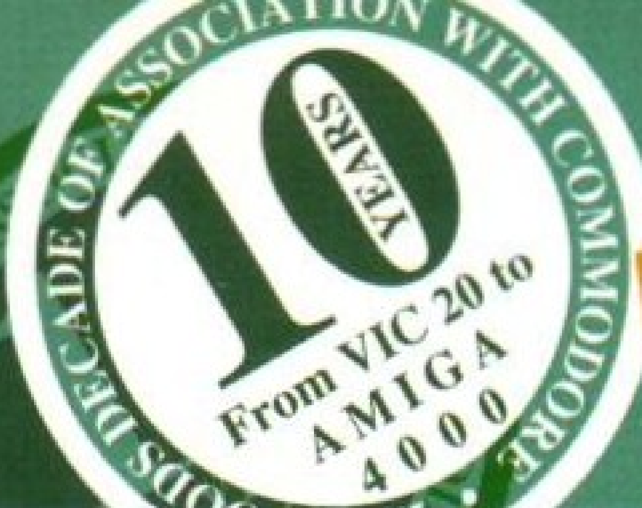
Harwoods are pleased to announce their new "LifeTime" Warranty Options

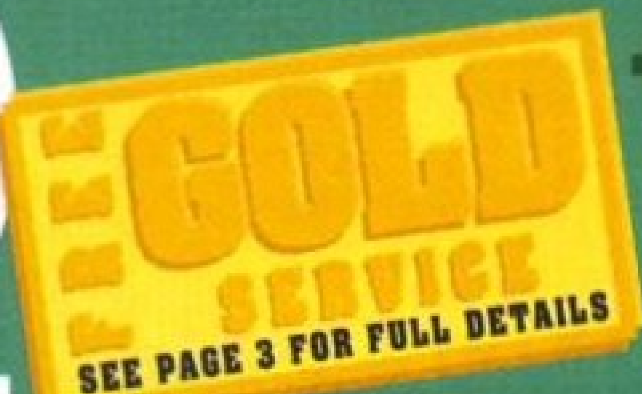
Backed by one of the UK's leading independent insurers, you can now add a Warranty to ANY Hardware item from Harwoods. You'll never be faced with an unexpected repair bill again!!! Take out up to 5 Yrs cover and at the end of that period you can extend cover annually... thus insuring your Amiga for a LifeTime. What's more the warranty IS fully transferable and so will help you to get the best possible price should you sell your computer at any time. 5 years warranty for a new Amiga A600 would cost just £45! This new scheme IS available now even if you have purchased your hardware elsewhere! Phone for details... And stop worrying straight away!!!



0773 836781 **GORDON HARWOOD**

ALL PRICES ARE INCLUSIVE OF VAT AT 17.5%





the extensive range of peripherals & software

AMIGA MONITORS & MONITOR TV's

All our monitors and TV monitors are supplied to use right away with cable to your Amiga and a quality vinyl dust cover FREE OF CHARGE!!!

PHILIPS MONITORS & MONITORS/TV's

PHILIPS CM8833/II MONITOR
.14" Stereo Colour, 12Months On-site Warranty plus FREE LOTUS TURBO CHALLENGE 2!!! **£224.95**

PHILIPS PRO 2000 SUPER-RES TELEVISION MONITOR
14" Colour, 2000 Character High Definition FST Tube, Direct SCART Connector, RGB/AD, Composite Video and Direct Audio Inputs, Full FastText Teletext, Headphone Socket, Infra-Red Remote, with Loop Ariel & FREE SCART Lead.
4WATTS MEGASOUND **£239.95**

COMMODORE COLOUR MONITOR RANGE

NEW COMMODORE 1084ST COLOUR 14" STEREO
Commodores own MONITOR complete with a built-in Tilt & Swivel Stand (for ALL Amigas) **£199.95**

NEW COMMODORE 1940 MULTISYNC 14" COLOUR STEREO MONITOR [for A1200's, 3000's & 4000's]
Commodores own multisync monitor with .39 dot pitch res, **£299.95**

NEW COMMODORE 1942 MULTISYNC 14" COLOUR STEREO MONITOR [for A1200's, 3000's & 4000's]
Highest res. CBM multisync monitor with .28 dot pitch!!! **£399.95**

CBM 1936 14" COL MONITOR ..28 dot pitch resolution **£PHONE!**

CBM 1960 14" MULTISCAN COLOUR MONITOR ..28 dot pitch resolution **£PHONE!**

TATUNG

TATUNG SVGA HIGH RES. MONO MONITOR
14" Mono for A1200/3000/4000's in High Res. Mode ONLY. Super quality display ideal for business applications etc. **£149.95**

NEW HIGH RES. MICROVITEC

MICROVITEC 14" COLOUR TRUE MULTISYNC MONITOR
This is for theREAL ENTHUSIAST!!! .28 dot pitch, built-in DMS, max res. of 1024x768 (interlaced). SUPERB...See "Stop Press" **£439.95**

AMIGA Memory/Accelerators

TRAPDOOR UPGRADES

- Amiga A500 1/2Mb. £32.95
- Amiga A500+ 1Mb. £39.95
- Amiga A600 1Mb. £47.95

A500 & A600 RAM expansions inc. Battery Backed Real Time Clock

SMART CARD UPGRADES

PCMCIA CARDS for A600/1200
- PCMCIA, 2Mb. £119.95
- PCMCIA, 4Mb. £174.95

ACCELERATOR/CO-PRO BOARDS for AMIGA A1200

GVP1230 40MHz, 68030ec, 32-Bit
- 1Mb. RAM Version £289.95
- 4Mb. RAM Version £479.95

MICROBOTICS MBX1200 RAM BOARDS Including Clock & Maths Co-Processor

14MHz:		25MHz:	
0Mb. RAM	£149.95	0Mb. RAM	£214.95
1Mb. RAM	£214.95	1Mb. RAM	£279.95
4Mb. RAM	£304.95	4Mb. RAM	£369.95

50MHz:		32-Bit SIMM Memory for MBX Boards:	
0Mb. RAM	£324.95		
1Mb. RAM	£389.95	1Mb. RAM	£69.95
4Mb. RAM	£479.95	4Mb. RAM	£159.95

AMIGA PRINTERS
DOT MATRIX INKJETS AND LASERS — CITIZEN, STAR, HP, & CANON

All our printers are supplied for immediate use including cable, paper & labels FREE OF CHARGE. Dot matrix models come with tailored dust cover. We also include specific Amiga driver disks with ALL printers FREE, (with Citizen models you get the excellent, new, improved Print Manager Version2) ALL Citizens have a 2 Year Warranty!!!

Please call for prices on any models not listed

CITIZEN Printers

120D+ Mono	£129.95
NEW Swift 90 Mono	£164.95
NEW Swift 90 Colour	£179.95
Swift 200 Mono	£209.95
Swift 200 Colour	£229.95
Swift 240 Mono	£259.95
Swift 240 Colour	£274.95

star

LC20 Mono	£139.95
LC100 Colour	£154.95
LC200 Colour	£204.95
LC24/200 Colour	£269.95
XB24/200 Colour	£389.95
SJ48 Mono Inkjet	£209.95

Canon Inkjets

BJ10sx Mono	£229.95
BJ200 Mono, 250cps	£349.95

Includes AutoSheet Feeder
NEW BJ230 Mono, £399.95
360dpi, 248cps, with facility to print on BOTH A4 AND A3 size paper!!! BIG A3 SIZE
Ideal for use with Final Copy II

hp

510 Mono Deskjet	£359.95
500 Colour Deskjet	£479.95
550 Colour Deskjet	£709.95

star NEW LOW COST LASERPRINTERS

Three SuperFast NEW LaserPrinters from Star which offer SUPERB QUALITY PRINTOUT and all have great standard features...
5 ppm, 14 Resident Fonts + 15 TrueType PC Fonts, LCD Display, Combined 300Sht Dual Paper Feeds, 1 Year On-Site Warranty and More...

Model	LS-5	LS-5EX	LS-5TT
Speed	5ppm	5ppm	5ppm
Memory	512K exp. to 4.5Mb.	1Mb. exp. to 7Mb.	2Mb. exp. to 8Mb.
Compatibility	HP Laserjet IIP (PCL 4)	HP L/J IIP (PCL 4), HP L/J III (PCL 5), HPGL2	As LS-5EX + TrueImage (Microsoft Postscript), Apple Laserwriter+
Fonts	14 Std + 15 PC	14 Std + 15 PC + 8 PCL5 (Agfa)	As LS-5EX + Truetype + 35 Postscript
Interfaces	Auto-parallel & Serial	Auto-parallel & Serial	Auto-parallel & Serial + AppleTalk
Resolution	300 x 300 dpi	300 x 300 & 600 x 300 dpi	300 x 300 & 600 x 300 dpi
Price	£629.95	£749.95	£999.95

ALL STAR LASERS ARE SUPPLIED WITH FREE DUST COVER AND LEAD... Only from Harwoods!

Phone us now and ask for your FREE Guide to Stars NEW Lasers!!!

Harwoods amiga A600 A1200 FITTED HARD DISK DRIVES

Our internal A600/1200 Hard Disk Drives are all high quality industry standard units manufactured by the recognised Worldwide market leaders (eg.Conner, Seagate, Western Digital etc).

REMEMBER: In the price we collect, install the hard drive, test, configure, & return your computer by first class courier FREE!!!

SIZE	PRICE
40Mb...	£149.95
60Mb...	£199.95
80Mb...	£229.95
120Mb...	£289.95
210Mb...	£389.95

Complete with Harwoods 1Year GOLD Warranty

Probably the BEST WARRANTY provided with ANY A600/1200 Hard Drive upgrade - 12 MONTHS!!! Should you have any problems, we will collect your Amiga, service or replace the hard drive and return the unit... COMPLETELY FREE OF CHARGE!

600HD Owners... Trade up your 20Mb. Drive - Phone us for full details/prices

GVP A500 and GVP PLUS HARD DISK DRIVES

Simply plug into your Amiga sideport with 2yrs warranty

GVP HD8 Hard Disk Drives

RAM	80Mb.	120Mb.
0Mb.	£364.95	£424.95
2Mb.	£419.95	£474.95
4Mb.	£469.95	£529.95
8Mb.	£629.95	£684.95

A530 Combined Hard Drive and 68030 Accelerator

RAM	80Mb.	120Mb.
1Mb.	£584.95	£644.95
2Mb.	£649.95	£704.95
4Mb.	£749.95	£804.95
8Mb.	£914.95	£964.95

GVP 68882 Maths floating point unit for A530's £219.95

GVP A1500 GVP A2000 INTERNAL HARD DISK DRIVES

with 2yrs warranty

GVP HC8 Internal Hard Drives

RAM	80Mb.	120Mb.
0Mb.	£314.95	£354.95
2Mb.	£369.95	£404.95
4Mb.	£419.95	£459.95
8Mb.	£524.95	£564.95

GVP MEMORY UPGRADES

HC8 & HD8 Drives add RAM in 2Mb. SIMM incrementsts ...
1Mb - £29.95 **4Mb** - £132.95
32-Bit SIMM for GVP Accelerators [min. 2Mb. increments, 32-Bit]
1Mb - £64.95 **4Mb** - £174.95

NB!!! Hard drives and memory may fluctuate in price due to the $/£ exchange rates. Please confirm prices when ordering.

PRINTER accessories

We only supply original manufacturers GENUINE replacement accessories!!!

RIBBONS

PRINTER	PRINTER TYPE	BLACK RIBBON	BLACK RIBBON 'SIX PACK'	COLOUR RIBBON	COLOUR RIBBON 'SIX PACK'
CITIZEN 120D+	BLACK ONLY	£4.75	£22.95	N/A	N/A
CITIZEN 124	BLACK ONLY	£4.75	£22.95	N/A	N/A
CITIZEN SWIFT 9	BLACK/COLOUR	£4.75	£22.95	£16.45	£94.95
SWIFT 24/24E/224	BLACK/COLOUR	£4.75	£22.95	£16.45	£94.95
STAR LC10/20/100	BLACK/COLOUR	£4.45	£23.95	£5.95	£34.95
STAR LC200	BLACK/COLOUR	£5.95 ZX9	£32.95 ZX9	£12.45 ZX9CL	£64.95 ZX9CL
STAR LC24/200	BLACK/COLOUR	£6.95 Z24	£39.95 Z24	£12.95 X24CL	£69.95 X24CL
STAR XB RANGE	BLACK/COLOUR	£8.95 Z24	£49.95 Z24	£14.95 X24CL	£74.95 X24CL
STAR SJ48 INK CARTRIDGE	BLACK ONLY	Also compatible with Apple Stylewriter and Canon BJ10ex Bubblejet			£15.95ea.

ACCESSORIES

Citizen Accessories:
- 80 Column 9/24 Pin Printer Colour Kit [ALL models except the Citizen 124 model] £37.95
- 32K RAM Expansion [24Pin Citizens except 200/240] £13.95
- 32K RAM Expansion [Citizen 200/240] £19.95
- 128K RAM Expansion [Citizen 200/240] £32.95

Hewlett Packard Original Consumables

DESKJET 500...
- Black Ink Cartridge [Double Life] £21.95
- Colour Ink Cartridge [Standard] £27.95

Please phone for any item not shown in our listings

PAINTJET...
- Black Ink Cartridge £26.95
- Colour Ink Cartridge £28.95
- Single Sheet Paper £18.95
- Z-Fold Paper £20.95
- Transparency Film: [Pack of 50 Sheets] £49.95

AUTOMATIC SHEET FEEDERS: Only...£84.95
ALL Star /Citizen 80Col. models [please state type when ordering]

AMIGA EXTERNAL DRIVES

CUMANA 3.5"
ThroughPort, Extra Long Cable, & Free Disk Head Cleaning Kit **£64.95**

ROCLITE 3.5" ANTI-VIRUS
External 3.5" Drive Built-In Anti Virus Checker & free Head Cleaner **£67.95**

POWER XL HIGH DENSITY
3.5" High Density External Drive with a FREE Head Cleaner **£129.95**

0773 836781

**Finance Facilities Available, please contact us for your personal information pack*

gordon harwood computers

AMIGA

0773 · 836781

AMIGA accessories

sound & graphic DIGITISERS
- Colour Pic Plus £679.95
- Super Pic £579.95
- Rombo Vidi 12, V2.00 £79.95
- Vidi 12 & Sound & Vision
- MegaMix Master £99.95
- Amas 2 Sound Sampler & Midi Interface inc.Microphone £74.95
- Audio Engineer Plus Sound Sampler £179.95
- Technosound Turbo Sampler £32.95

MUSIC
- Miracle keyboard £299.95
- Music X full version 1.1 £24.95
- Midi interface 5port c/w cable £24.95
- Super JAM £79.95
- Bars & Pipes Professional £209.95
- ZYFI Stereo Speakers with separate power supply £39.95
- Clarity 16 £109.95
- Stereo Master £31.95

SCANNERS
- Power Mono NEW V3.0 Hand Held Scanner £109.95
- Power Colour Hand Held Scanner £239.95
- Sharp JX 100 Colour Flatbed [A6 Paper size] £549.95

genlocking devices
- ProGen - Perfect high quality entry level true video signal genlock £64.95
- Rocgen Plus £139.95
- Rendale 8802 inc switch and fader controls, A1200 £179.95

AMIGA MICE
- HQ Microswitched MEGA MOUSE excellent magazine reviews... NEW LOWER PRICE...£12.50
- HQ Microswitched mouse inc. Mouse Mat & Holder £19.95
- High Quality micro-switched Optical mouse £28.95
- HQ Microswitched Trackball £29.95
- Automatic Mouse and Joystick Switcher £17.95

IBM PC emulators
- GVP 286 PC Emulator for your GVP A500 HD8/530... Simply plugs into GVP drive mini slot [no DOS]. Tap into a wealth of PC compatible software for the new low price of just... £149.95

monitor STANDS
- Premier Control Centre & Monitor Plinth with shelf:
- For Amiga A500 £39.95
- For Amiga A600 £34.95
- For Amiga A1200 £39.95

JOY sticks
- Zipstick autofire £11.95
- Competition Pro-Star autofire, burstfire & slow motion £13.95
- Python 1M £10.95
- *Full range of Quickjoy and other makes stocked - please call us for prices*

DISKS STILL AT LOW PRICES!!! BLANK
- 10 Sony 3.5" DS DD £8.95
- 50 Sony 3.5" DS DD £34.95
- Certified Bulk Disks with labels:
- 10 with library case £6.95
- 50 Disks - only... £24.95
- 250 Disks - only... £94.95
- 3.5" Disk Head Cleaner essential for reliable loading £2.95

for MORE ACCESSORIES...Please Phone us!!!

VIDEO in the 90's with Syntronix

EXCLUSIVE! Harwoods will soon be supplying the full Syntronix Video Range. Phone us to arrange a demonstration of this advanced equipment

A superb new range of Genlocking and Editing products that GIVE YOU ACCESS TO... 'THE POWER TO CREATE'

GENMAN GENLOCKS: A terrific range of equipment with an upgrade path that extends as YOUR requirements demand...

GENMAN (from £99)
- GL1 Composite In/Out
- GL2 Comp. In/Out,RGB Loopthrough
- GL3 As the GL2 plus Caption Fade
- GX1 S-VHS/Hi8 Compatible, Y/C In/Out

EDITMAN DESK TOP VIDEO: At last a desktop video editing suite that's simple to use. Again there is the upgrade path to keep pace with your creative requirements...

EDITMAN (from £399)
- EX300 2 VCR System
- EX400 3 VCR System

Because Editman is packed with features, we've made a video to show you just how good it is!!! Send us only £3.99 (including postage) for your own copy on a full E180 VHS tape, then see how Genman and Editman give you 'THE POWER TO CREATE'

REMEMBER!
We will soon be supplying the full Syntronix Video Range. Phone us now!

NEW MOUSE MECHANIC

Fantastic Universal Mouse Cleaning Tool
Cleans in Seconds, Needs No Fluid
Use again & again £4.99 +50p p&p

AMIGA BOOK Shop

- Amiga A1200 Insider Guide £14.95
- Amiga A600 Insider Guide £14.95
- Mastering Amiga Assembler £22.95
- Mastering Amiga C £18.95
- Mastering Amiga Workbench £18.95
- Mastering Amiga DOS Vol. 1 £20.95
- Mastering Amiga DOS Vol. 2 £18.95
- Mastering Amiga AMOS £18.95

ABACUS books also in stock please phone for prices!

AMIGA +-x abc educational software

- mega maths - A level £19.95
- ADI titles available for ages 11 to 12, 12 to 13, 13 to 14 or 14 to 15 [please specify]
- ADI english (not 14to15 age group) £18.95
- ADI maths [specify from ages above] £18.95
- ADI french [specify from ages above] £18.95
- micro science - to GCSE standards £18.95
- micro maths - to GCSE standards £18.95
- micro english - to GCSE standards £18.95
- micro french - to GCSE standards £18.95
- micro german - to GCSE standards £18.95
- primary maths - 3 to 12's £18.95
- compendium six [6 great programs] £27.95
- reading and writing course - over 3's £18.95
- fun school 2 - Ages 2 to 6, 6 to 8, over 8's £6.45
- fun school 4 software: [choose from - under 5's, 5 to 7's or 7 to 11's, please specify] £18.95
- noddy's playtime [3yrs and over] £19.95
- NEW...Childs Play Activity Centre and Word Processor with SPEECH, 2 to 12yrs £24.95

Lots More available...Please telephone us!!!

AMIGA software

WORD PROCESSING AND PUBLISHING
- Pen Pal V1.5 £49.95
- Final Copy II Release 2 £99.95
- THE BEST WORD PUBLISHER
- Kindwords 3 £37.95
- The Publisher £39.95
- Professional Page V4.0 £129.95
- Pagesetter III £49.95

INTEGRATED TITLES
- Mini Office £42.95 FEATURING... Word Processor, Spreadsheet, Database and Disk Manager... FULLY INTEGRATED!

DATABASE SOFTWARE
- Homebase £19.95
- Superbase 2 Personal £29.95
- Gallery Pictorial Slide Show/DB £39.95

CAD & Structured Drawing
- X-CAD 2000 £109.95
- X-CAD 3000 £269.95
- Art Expression £149.95
- Expert Draw £49.95

DATABASE SOFTWARE
- Video Master £59.95
- Scala 500 £79.95
- Scala Professional £189.95
- Broadcast Titler 2 £169.95

MISCELLANEOUS SOFTWARE
- GB Route Plus £37.95
- Voyager £54.95
- Turboprint 2.0 £34.95
- Mavis Beacon... Teaches Typing £24.95
- Workbench Upgrade Kit £79.95
- Action Replay III £54.95
- Softfaces 1 to 4 £39.95
- Softclips 1 to 4 £29.95
- Softwood Proper Grammar: £49.95 Grammar checker, for ALL those Amiga Word Processors

ANIMATION AND GRAPHICS
- Deluxe Paint 4.1 £64.95
- Deluxe Paint 4 (AGA) £79.95
- 3D Construction Kit £49.95
- Adorage £54.95
- Vista Pro 2 £54.95
- Vista Pro 3 £99.95
- Art Department Prof. V2 £149.95
- DCTV Composite Video 24-Bit Graphics System (PAL Version) £529.95
- Morph Plus £149.95

AMIGA DEVELOPMENT AND UTILITIES SOFTWARE
- Quarterback V5 £44.95
- Quarterback Tools £54.95
- Cross DOS £29.95
- Easy Amos £24.95
- Amos The Creator £36.95
- Amos Compiler £23.95
- Amos 3D £25.95
- Amos Professional £49.95
- New SAS Lattice C V6 £239.95
- Devpac 3 £54.95
- Directory Opus V4 £54.95
- Can Do 2 £99.95
- Charts & Graphs £49.95

AMIGA GAMES & ENTERTAINMENT
Phone for access to our massive competitively priced range of Amiga Software Titles now and pick up a great deal!!!

Remember we supply the full range of Macintosh computers from a Classic® to a Quadra® for personal callers... Telephone: 0773 521606 now!
Authorised Reseller®

SEGA The complete range of SEGA hardware, accessories and software including the new MEGA CD Phone us now!!!

COMPARE OUR GOLD SERVICE

Before you choose from whom to purchase, please phone us. We are always happy to discuss your requirements and answer any queries you may have. And.. remember Harwoods have always provided THE BEST service in the industry...

FREE GOLD SERVICE: Any computer, monitor or printer that requires service in the first year is collected FREE OF CHARGE (UK Mainland only). Remember at Harwoods we charge no more for this GOLD service. The fastest turnaround possible is GUARANTEED by our OWN SERVICE ENGINEERS. -Many items have In-Home Warranties -

TECHNICAL SUPPORT: You will be given our Exclusive Technical Support Phone Number to call should you require any help or advice on any aspect of the system you have purchased.

MINIMUM 12 MONTH HARDWARE WARRANTY: Items proving faulty within 30 days of purchase are replaced with NEW UNITS unless otherwise stated. For the guarantee period, warranty service will be completely FREE OF CHARGE [some items are 2 yr warranty].

YOUR SYSTEM READY TO GO: All main hardware products come with mains plugs and leads - just connect up and use straight away.

How to contact us...

BY PHONE: Phone our Order Hotline with your Access, Visa, Mastercard Switch or Lombard Creditcharge Card quoting number & expiry date (Most Dixons, Currys, NASCR and other 'store' cards are Lombard Creditcharge and are happily accepted by us).

BY POST: Make cheques, bankers building society drafts or postal orders payable to GORDON HARWOOD COMPUTERS. (Personal/business cheques take 7days to clear from day of receipt whereupon your order will be despatched). Please send Name, Address, and most importantly if possible, a Daytime Telephone Number along with your order requirements. Please check you are ordering from our latest advertisement before posting (phone if you require confirmation). Please remember that for example many September publications appear during August, etc., therefore prices you see may have changed (either up or down!).

EXPORT: Most items are available at TAX FREE PRICES to non UK residents and service personnel. Please contact us for confirmation of export prices before ordering.

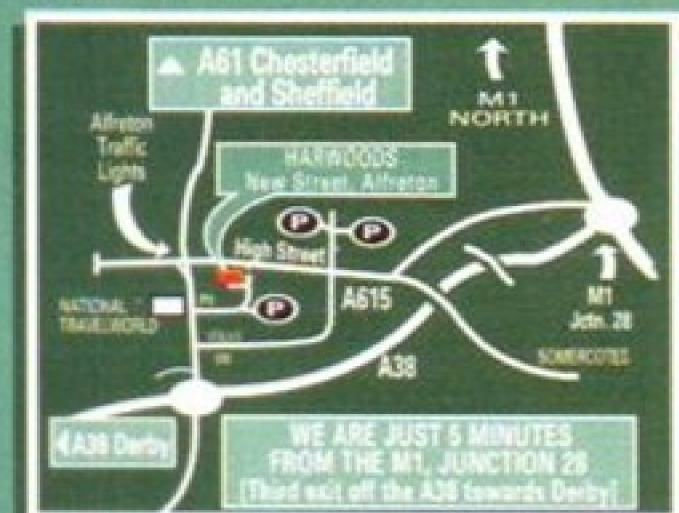
FREE DELIVERY: by Parcel Force, UK Mainland only, OR: **SPEEDY NEXT WORKING DAY COURIER SERVICE.** Add just £6.95 per major item for guaranteed delivery [or £10.00 for Saturday delivery], UK Mainland most regions. (Despatch normally on day of order or payment clearance).

All listed prices are what YOU PAY, and there are NO HIDDEN EXTRAS. VAT and postage are included, and prices are correct at time of going to press (Pack details may vary from time to time). Offers and Services are subject to availability and to being the latest advertised products, packs and prices. Please note goods are not supplied on a trial basis. E&OE.

VISIT OUR SPACIOUS SHOWROOM:

Why not take a trip out to visit us and see our full advertised range, and more, available at the SAME COMPETITIVE PRICES. (Please see opening times) There's plenty of FREE parking nearby too!

How to find us...



BY RAIL - ALFRETON MAINLINE STATION IS CONVENIENTLY RIGHT IN OUR TOWN

OPENING TIMES
9.00 until 5.00 Monday to Saturday
Wednesdays - 9.00 until 1.00

GORDON HARWOOD Computers

Enquiries & Order Line:

0773 836781

Finance Facilities Available*

*Please phone us for information, your personal application pack and full written details



GORDON HARWOOD COMPUTERS
DEPARTMENT AMF/H9, NEW STREET,
ALFRETON, DERBYSHIRE. DE5 7BP
TEL: 0773 836781 FAX: 0773 831040

The Closer you look, The Better we look

ALL PRICES ARE INCLUSIVE OF VAT AT 17.5%

We pick out top-quality software and indispensable hardware for you and your Amiga, and we deliver them to you at bargain prices.

Amiga Format Mail Order



CREDIT CARD HOTLINE 0458 74011

Make sure you check out our amazing back issues and subscription offer on Page 150!

VideoMaster



MicroDeal's new combined audio and video digitiser enables you to capture both sounds and pictures for manipulation on your A500 or A500 Plus, allowing you to make your own multimedia movies.

Description	RRP	Price	Order Code
VideoMaster	~~£69.95~~	**£64.95**	**AMF245**

AF Amiga Accessories



A500 dust cover	£6.99	AF5 DUST7
A600 dust cover (not pictured)	£6.99	AF6DUST
Monitor cover	£10.99	AFMONIT
Disk wallet (not pictured)	£3.99	AFWALL
Mouse mat	£5.99	AFMAT
A500 complete set	£25.95	AFCOVERS5
A600 complete set	£25.95	AFCOVERS6

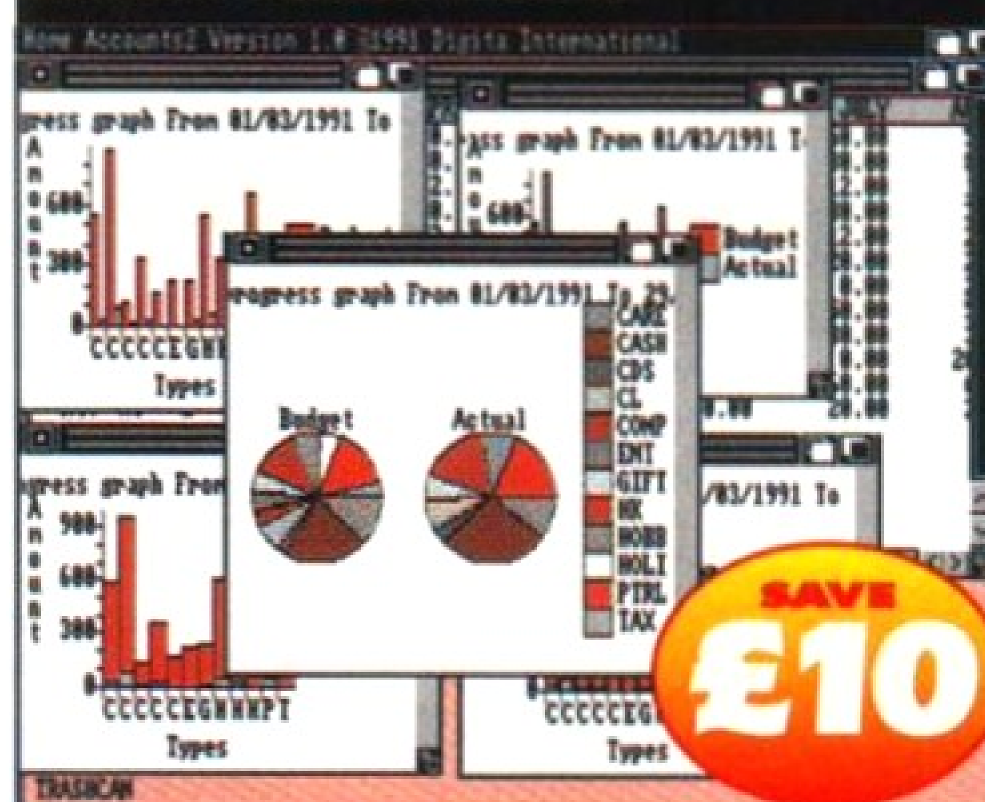
Fun School 4



Let the kids and the Amiga make friends, with Europress' acclaimed educational software!

Description	RRP	Price	Order Code
Teddy Disk	~~£24.99~~	**£17.99**	**AM231**
Frog Disk	~~£24.99~~	**£17.99**	**AM232**
Spy Disk	~~£24.99~~	**£17.99**	**AM233**

Home Accounts 2



Described by us in *AF*30 as 'a package which will suit any household', this is the ideal way to keep track of your financial affairs, from what's in your cheque account to how much is left after the bills!

Description	RRP	Price	Order Code
Home Accounts 2	~~£54.99~~	**£44.99**	**AF229**

StereoMaster & Quartet



An ideal entry level sampler, plus we're throwing in for free the excellent Quartet sample MIDI sequencer, which will enable you to build your sampled sounds into full music tracks.

Description	RRP	Price	Order Code
StereoMaster	~~£34.99~~	**£29.99**	**AF251**

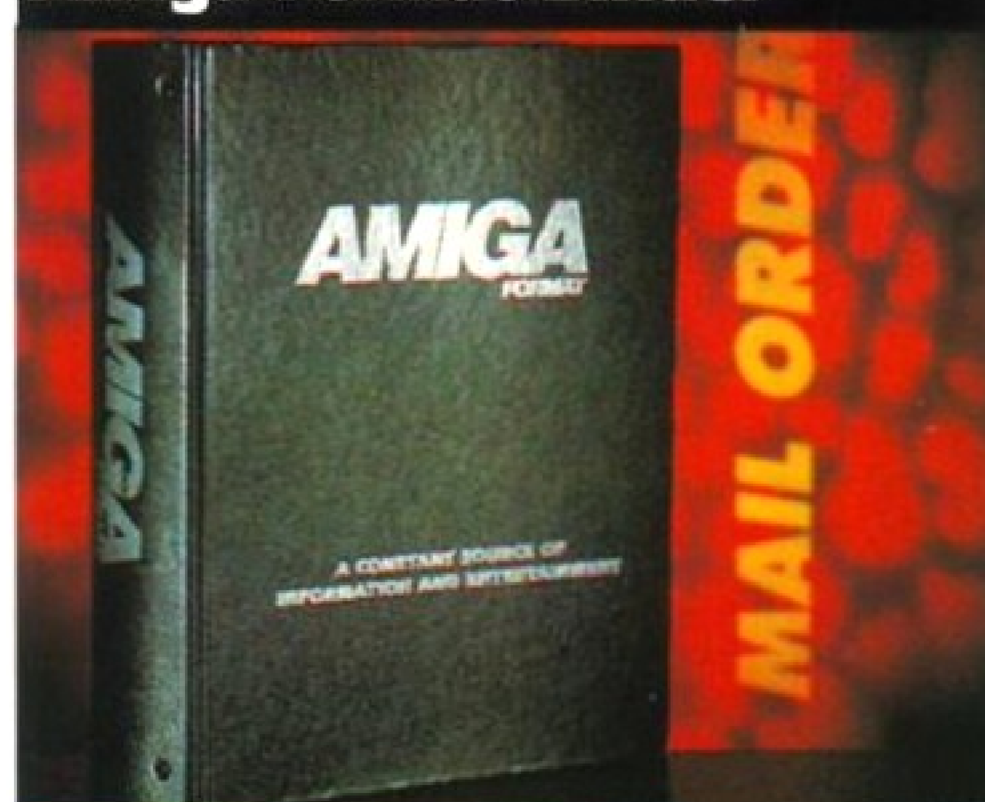
RAM Expansion



It's well over a year since new Amigas were sold with less than 1Mb of memory. Nowadays many games, as well as most serious software, require that magic meg. Here's a bargain way to upgrade your A500.

Description	RRP	Price	Order Code
512K RAM Expan	~~£29.99~~	**£25.99**	**AM237**

Amiga Format Binder

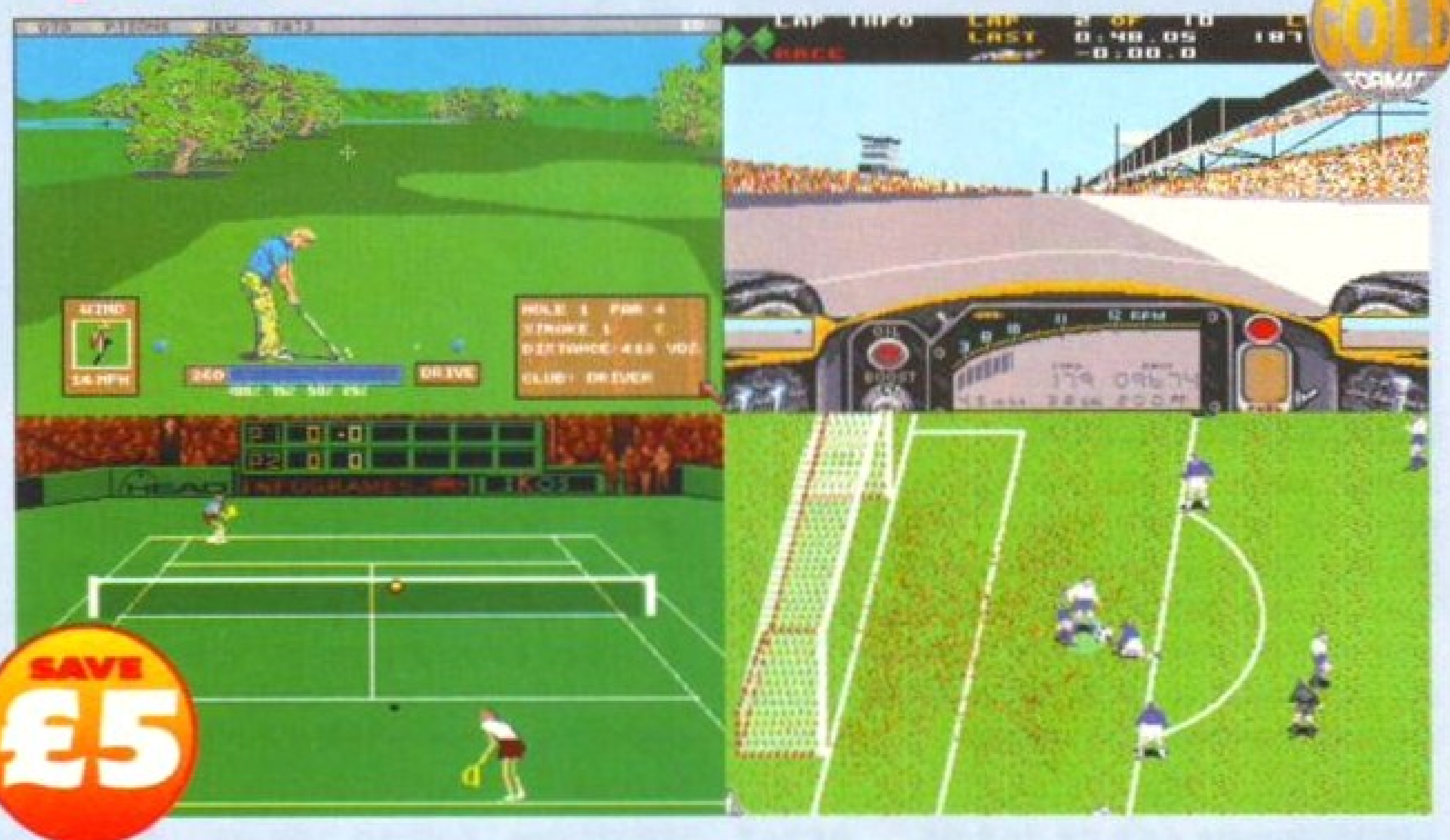


Are you tired of all your ***Amiga Format***s being left scattered all over the floor? If so, protect them with these stylish and practical black-and-silver binders.

Description	Price	Order Code
One binder	**£4.95**	**AF108**
Two binders	**£9.00**	**AF109**

The Amiga Format Star Buys

Sportsmasters



This is a totally excellent compilation – even if we do say so ourselves (which we did in *AF*44, when we awarded it 90 per cent and gave it an *Amiga Format* Gold). Not only *PGA Tour*, the best golf game ever (and don't believe anyone who tries to tell you otherwise), but *Indianapolis 500*, *Advantage Tennis* and *European Championship Soccer 1992*, all in one budget-priced box. Buy it!

Description	RRP	Price	Order Code
Sportsmasters	~~£29.99~~	**£24.99**	**AF252**

New Technosound Turbo

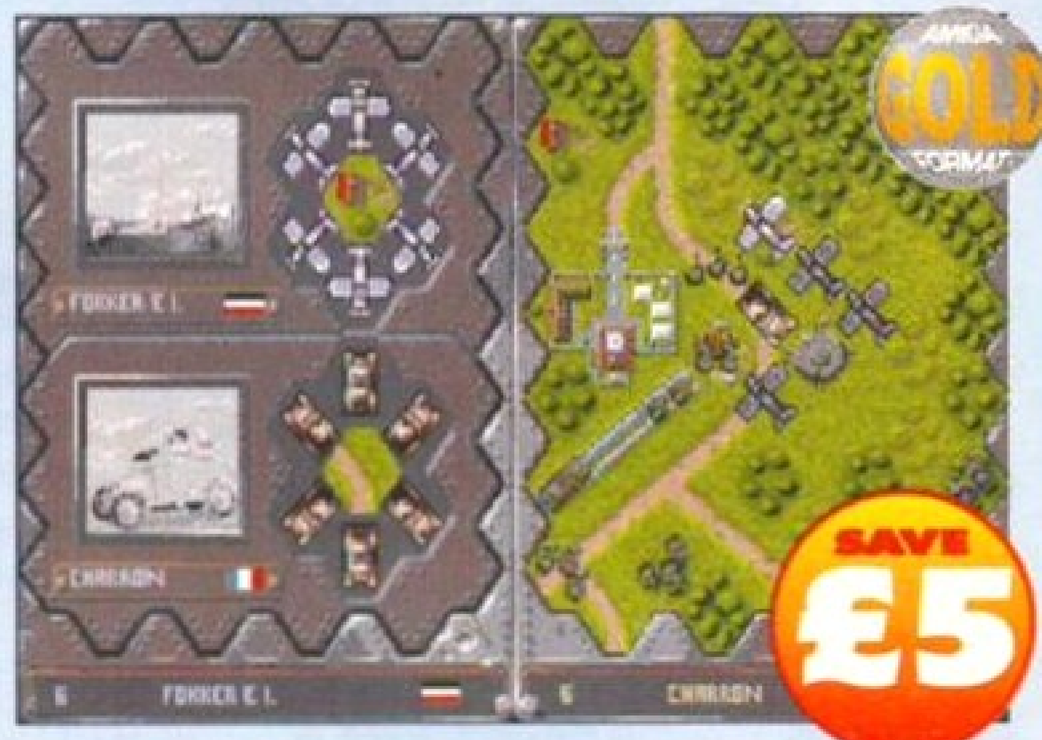


This recently updated sampler from New Dimensions enables you to grab digitised sounds, then sequence them into simple compositions. It also contains a new cartridge, an updated manual *and a* set of audio leads.

Description	RRP	Price	Order Code
Technosound Turbo	~~£35.95~~	**£29.95**	**AF246**

History Line

HistoryLine is based on Blue Byte's earlier *Amiga Format* Gold-winning game *Battle Isle* (*AF*29 – 90 per cent), but they've managed to add huge amounts of historical background and use WWI-style tactics. Blue Byte have come up with not only another *Format* Gold game (*AF*43 – 94 per cent), but probably the best strategy game ever seen. It's a very intuitive and playable game, which no Amiga gameplayer should be without.



Description	RRP	Price	Order Code
History Line	~~£34.99~~	**£29.99**	**AF251**

Amiga Format Mail Order

Name ....

Address ....

....

Post Code ....

Phone Number ....

Description	Price	Order Code
Total order		

Method of payment (please circle) Access Visa Cheque PO

Please make cheques payable to:

Future Publishing Limited

All prices include posting, packing and VAT

Credit Card no ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

Expiry Date ..../........../..........

SEND THIS FORM TO:

***Amiga Format*,**
Future Publishing Limited, Carey Court
Somerton, Somerset TA11 6TB

PLEASE DO NOT SEND CASH,
USE METHOD OF PAYMENTS LISTED ABOVE

EEC customers registered for VAT, please quote your registration number:

____

AFM/8

Amiga Format Collection Mail Order

Name ....

Address ....

....

Post Code ....

Phone Number ....

Description	Price	Order Code
Total order		

Method of payment (please circle) Access Visa Cheque PO

Please make cheques payable to:

Future Publishing Limited

All prices include posting, packing and VAT

Credit Card no □□□□ □□□□ □□□□ □□□□

Expiry Date ..../........../..........

SEND THIS FORM TO:

Amiga Format,
Future Publishing Limited,
Somerton, Somerset TA11 6TB

PLEASE DO NOT SEND CASH,
USE METHOD OF PAYMENTS LISTED ABOVE

EEC customers registered for VAT, please quote your registration number:

AFM/8

The AMIGA FORMAT Collection

AMOS Compiler & AMOS 3D

SAVE £15

If you want to get the most out of *AMOS*, why not buy the two most popular *AMOS* extensions in one pack? The *Compiler* translates your *AMOS* creations into stand-alone 100 per cent machine code, while *AMOS 3D* lets you create amazing 3D worlds!

Description	RRP	Price	Order Code
AMOS Bundle	~~£64.99~~	**£49.95**	**AF247**

AMOS Professional

SAVE £10

This is one of the highest-rated programs ever reviewed in ***Amiga Format***. Top of the *AMOS* range, It updates the famous *AMOS* extended basic programming language with new commands and facilities that make it a real winner! (Needs 1Mb minimum.)

Description	RRP	Price	Order Code
AMOS Pro	~~£69.99~~	**£59.99**	**AFAMPRO**

Easy AMOS

SAVE £5

Designed for the beginner who wants to learn programming but doesn't know where to start, *Easy AMOS* is more than a programming language. Based on the successful *AMOS*, it has many helpful examples and detailed explanations to help you learn.

Description	RRP	Price	Order Code
Easy AMOS	~~£34.99~~	**£29.99**	**AF250**

Graphics Workshop Manual

Graphics Workshop is a drawing package so special that, along with all the normal tools you would expect from a top paint program, you get some powerful extra utilities.

You're not limited to using one custom brush either, you can pick up and store up to 10. It also features ANIM and Animbrush forms of animation, and a cell system which is probably the most powerful animation system on the Amiga. Why not get the most out of this top program by buying this illustrated instruction book and tutorial guide (with a special tutorial disk).

Description	Price	Order Code
GWManual	**£13.95**	**AF249A**

AMOS Manual

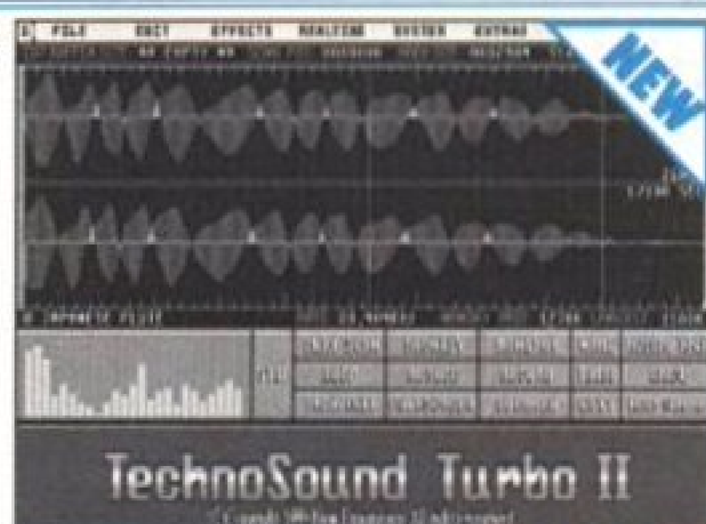
If you want to make the most out of *AMOS The Creator*, this is exactly what you need. It's the complete manual, as supplied with the package, and it also includes an Extras disk that contains all the example programs and extra bits and bobs that we couldn't fit on the *AF* Coverdisks. We'll continue to give lots of tutorials and advice, and show you techniques for creating specific kinds of programs as a regular feature in *Amiga Format*, so you wouldn't be stuck without this book: but as the complete reference work, you'll find *The Manual* will make your *AMOS* career far more enjoyable and creative!

Supplied book is perfect bound!

Description	Price	Order Code
AMOS Manual	**£13.95**	**AF249**

INTRODUCING TT2 ADVANCED SOUND SAMPLING SYSTEM

- DIRECT TO HARD DISK RECORDING
- BUILT IN TRACKER
- 18 FUNTIME EFFECTS
- PULL DOWN MENUS
- CONTROLLABLE EFFECTS
- SEQUENCER
- DIGITISER



Special Intro Offer ....£42.99 Normal RRP £49.99 **SAVE £7**
Software only version.......£24.99 Normal RRP £29.99 **SAVE £5**

Upgrade Kit available to existing TechnoSound Turbo users write to New Dimensions for details. **ONLY £15**

BRITAIN'S NO 1 ENTRY LEVEL SOUND SAMPLING SYSTEM TECHNOSOUND TURBO

"Every Amiga owner should have it"
- Amiga Format

Ideal for beginners.

ONLY £27.99 Normal RRP £39.99

SAVE £12



ORDER FORM

PLEASE SEND ME ....

Name ....

Address ....

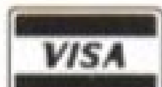
....

I ENCLOSE CHEQUE/PO FOR ....

FIRECREST DISTRIBUTION
P.O. Box 39,
ABERGAVENNY, GWENT NP7 6XL.
TEL (0873) 850028
Please phone for complete price list.

ADD £2.00 PER ITEM P&P





Reach the top with.....

NATIONAL CURRICULUM*

LCL Self-Tuition Courses

Join the road that leads there now (age 3yrs - GCSE - A Level).
Totally comprehensive courses (each has 24 programs with a book and manual, or equivalent)
...**of excellent quality** (eg. "*Definitely a first-class package*" AMIGA SHOPPER).
.....**with far too many topics to list**, but some examples are:

MICRO SCIENCE Physics, Chemistry, Biology (8 years - GCSE) **NEW**
Physics & Chemistry practical experiments • Biology demonstrations • Graphics adventure game (1Mb required)

MICRO MATHS (11 years - GCSE) **GCSE CHART-TOPPER**
Algebra • Geometry • Trigonometry • Statistics • Arithmetic

MICRO FRENCH (Beginners - GCSE) **ST.F "Best Buy"**
Real speech • Graphics adventure game • Talking cartoon

MICRO GERMAN (Beginners - GCSE & Business)
Real speech • Graphics adventure game • Business letter generator

MICRO ENGLISH (8 years - GCSE)
Spelling • Punctuation • Grammar • Literature

PRIMARY MATHS COURSE (3-12 years) **in ATARI Fam. C.**

READING WRITING COURSE (3-12 years) **NEW ENLARGED**
Alphabet • Handwriting • Creative writing • Reading • Spelling

MEGA MATHS (A level course)
Calculus • Algebra • Geometry • Full-screen graphs

All AMIGAs even A1200

£5 OFF TOTAL FOR 2 COURSES, £10 OFF FOR 3, £17 OFF FOR 4
(*All appropriate LCL Courses are National Curriculum compatible & run on most computers.)
Send cheques/P.O.s (£24.99 per course all inclusive) or phone orders, or requests for free colour poster/catalogues to:
LCL (DEPT AMF), THAMES HOUSE, 73 BLANDY ROAD, HENLEY-ON-THAMES, OXON RG9 1QB

VISA **Phone (24hrs) 0491 579345 for immediate dispatch** Access

New Horizon Computers

The Hard Drive Specialist

NEW NEW NEW NEW NEW OKI LASER PRINTER



ONLY £499 EX VAT

CU AMIGA 95% BUYERS GUIDE TOP VOTE

Professional quality in a compact unit at a compact price. The new OKI OL400e is the personal page printer with OKI's LED print head for razor sharp print. With its tiny footprint, this four page per minute printer is ideal for first time buyers requiring excellent quality text and graphics for letters, report writing and low volume DTP. Comes with 42 Bit mapped fonts and 1 year on site Warranty.

MONITOR SELECTION



MODEL	SIZE	DOT	RES	SOUND	SCAN	PRICE
Philips 8833 Mk II	14"	.31	LOW	YES	15KHZ	POA
Commodore 1084 ST	14"	.31	LOW	YES	15KHZ	POA
Commodore 1960	14"	.31	MED	NO	MULTI	POA
Commodore 1940	14"	.39	MED	YES	DUAL	POA
Commodore 1942	14"	.28	MED	YES	DUAL	POA
Microvitec Cubscan	14"	.31	MED	NO	MULTI	POA
New Horizon Vanilla	15"	.28	HIGH	NO	MULTI	POA
New Horizon Vanilla	17"	.31	HIGH	NO	MULTI	POA

OTHER PHILIPS AND NEC MONITORS AVAILABLE

HOW TO ORDER



1. By Phone. Next Day Delivery on Small Items add £5.00. Next Day delivery on Computers, Monitors and Printers add £12.00



2. By Post. Send a cheque or Postal Order made payable to New Horizon Computers and post with your Order to

New Horizon Computers (Mail Order)
High Hope, Lea,
Ross on Wye, Herefordshire HR9 7LN



CREDIT CARDS WELCOME


SALES HOTLINE 0989 750260 TECH SUPPORT 0989 750337

Beautiful, aren't they?

But there's more to it. Beneath their surface lies a complex structure of cells; inside these, chemicals transmute and are traded; their constituents, neutrons, protons and electrons, dance to hidden rhythms – all are patterns of beauty.

Many Amiga owners might gasp at the pretty graphics of an Amiga game; but many more want to look further, deeper. It is for these owners that *Amiga Shopper* caters.

We aim to satisfy your curiosity, to encourage your delight in computing; with us you can explore all of its possibilities, from desktop publishing, through programming, to DIY hardware projects. In each of our articles we take the trouble to explain unfamiliar concepts and to explain jargon in layman's terms. Every month we give more answers to genuine reader problems than any of our rivals.

And if you're looking for an add-on to improve your system or a program to help you perform a task, then you won't find more authoritative reviews and buying advice than ours.

Amiga Shopper comes with a world of information packed between its covers every month for only £1.95. Don't just scratch the surface.

"I see much more beauty than [the artist] sees. I can imagine the cells inside, which also have a beauty. There's beauty not just at the dimension of one centimeter; there's also beauty at a smaller dimension."

Richard Feynman, Nobel prize winning physicist, responding to an artist's criticism that he fails to appreciate the beauty of a flower.

AMIGA SHOPPER



WORLD CLASS PERIPHERALS FOR THE AMIGA
NOW AT NEW LOW PRICES!

ACCELERATORS
FOR AMIGA 1500 AND 2000



If you use your Amiga for DTP, ray tracing, graphics or any other serious application, you'll appreciate the power that an accelerator brings. Accelerators replace the main processor with a faster version and by doing so the speed of the Amiga is dramatically improved.

GVP offer a range of A1500/A2000 accelerators that simply outstrip the competition for speed and specifications. Their G-Force range includes the fastest Amiga accelerator available (the 68040 33MHz version) whilst offering a range of functions, such as 32-bit RAM upgrades, SCSI interfaces and maths co-processors. If you're looking for ways to boost the power of your Amiga, then you can't beat the GVP G-Force range!

G-FORCE ACCELERATORS	030 25MHz	030 40MHz	030 50MHz	040 33MHz
Speed MIPS*	7.48	12.1	15	30
Processor	68030EC	68030EC	68030	68040
Maths Co-Pro.	68882 included	68882 included	68030 included	In 68040 processor
Std 32-bit RAM	1Mb	4Mb	4Mb	4Mb
Max 32-bit RAM	13Mb	16Mb	16Mb	32Mb
Extras	SCSI	SCSI	SCSI	SCSI Ser/Par
PRICE	£399 INC VAT UPG 0110	£699 INC VAT UPG 0430	£999 INC VAT UPG 0533	£1299 INC VAT UPG 0740

*MIPS: Millions of instructions / second, a normal Amiga runs at .67 MIPS

PLUG-IN HARD DRIVE & ACCELERATOR
FOR AMIGA 500 AND AMIGA 500PLUS

The A530 is a unique combination of a hard drive, RAM board and an accelerator. Inside is a full Motorola 68EC030 processor running at 40MHz making your Amiga faster than you thought possible. The A530, with a maths co-processor, is up to 300 times faster than a standard A500! The new processor and 32-bit SIMMs is joined by up to 8Mb of 32-bit RAM, which further enhances its performance.

Features Include:

- 40MHz 68030EC Processor
- Up to 8Mb 32-bit Memory, 1Mb fitted
- Cut Off Switch For Game Compatibility
- Designer Styling to Match the A500
- Dedicated Power Supply and Fan Unlike Many Competitors
- Mini-slot for Future Expansions
- Factory Installed Hard Disk
- High Speed DMA SCSI Controller



PC EMULATOR
PLUGS INTO THE HD8+ OR A530 TO ALLOW YOU TO RUN PC COMPATIBLE SOFTWARE ON YOUR AMIGA

286-16MHz EMU 0500 £99 INC VAT

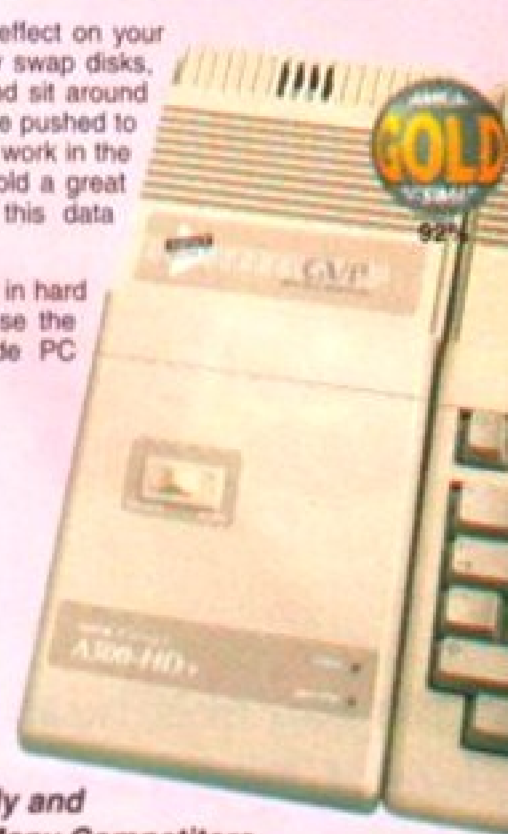
A530 HARD DRIVE & 40MHz ACCELERATOR		
42Mb	80Mb	120Mb
~~£699~~ £499 INC VAT - HAR 0962	~~£799~~ £599 INC VAT - HAR 0968	~~£899~~ £699 INC VAT - HAR 0974

PLUG-IN HARD DRIVE
FOR AMIGA 500 AND AMIGA 500PLUS

A hard drive will have an immediate effect on your Amiga. Where you used to constantly swap disks, wait for files and programs to load and sit around waiting for disk accesses, you'll now be pushed to keep up with your Amiga! Hard drives work in the same way as floppy disks, but can hold a great deal more information and access this data much quicker.

The A500-HD8+ provides the ultimate in hard drive performance, it can also increase the memory of your Amiga, and provide PC compatibility. Features include:

- Ultra Fast Access SCSI HD
- Up to 8Mb of FAST RAM
- Mini-slot for Future Expansions
- Cut Off Switch For Game Compatibility
- Designer Styling to Match the A500
- Dedicated Power Supply and Fan Unlike Many Competitors
- High Speed DMA SCSI Controller - Can Handle 7 Devices



HD8+ HARD DRIVES		
42Mb	80Mb	120Mb
~~£299~~ £249 INC VAT - HAR 0840	~~£399~~ £349 INC VAT - HAR 0888	~~£499~~ £399 INC VAT - HAR 0922

GRAPHICS CARD
FOR A1500/A2000/A3000/A4000



ALL-IN-ONE GRAPHICS CARD

Impact Vision 24 is a fully featured video card. Unlike other graphics cards which require you to buy extra modules later, IV24 has everything you could want from a video board built-in!

Included with IV24 is GVP's custom Video Interface Unit (VIU). This gives you more choices for in and outputting video signals than any other Amiga peripheral on the market. VIU-CT splitter provides additional RGB, Y, R-Y and B-Y output.

FREE SOFTWARE WITH IV24

Create stunning 3D rendered images, retouch captured images and wipe between 2 video sources with 50 packaged video transitions for production studio effects. Also included is MacroPaint 2, a powerful 24-bit graphics package which can paint in 16.8 million colours.

- 1.5Mb 24-bit, 16.8million Colour Buffer
- Real-time Framegrabber/Digitiser
- De-interlaced, Video Flicker Fixer
- Movable/Sizable PIP (Picture-in-Picture)
- 2 Video Genlock (RGB & Composite)
- 768 x 580 Resolution
- Captured Image Retouching/Processing
- Titling/Character Generation
- Real-time 24-bit Painting
- Animation/3D Rendering
- FREE! Caligari 24, MacroPaint 2, MyLad and Desktop Darkroom Software

A1500/A2000 ADAPTOR - £49.95 - GVA 5224

IV24 inc VIU-S	IV24 inc VIU-CT
~~£1499~~ £999 INC VAT - VID 7024	~~£1899~~ £1299 INC VAT - VID 7124

VIDEO GENLOCK
FOR ALL AMIGAS

G-Lock is a fully featured Genlock, which allows you to mix Amiga text and images with moving video pictures. You can then send the combined result back to your video recorder for recording.



- Two Composite Video Inputs or S-Video (Y/C) Input
- Simultaneous Composite & S-Video and RGB Output
- Video Processor - Real Time Software Control of Video Attributes (Sharpness, Gain, Brightness etc)
- ARexx Compatible
- Works with Flicker Fixers
- Multiple Keyer Modes
- Full Audio Support

G-LOCK
~~£349~~ £299 INC VAT - VID 2500

HARD DRIVE CARD
FOR A1500/A2000/A3000/A4000



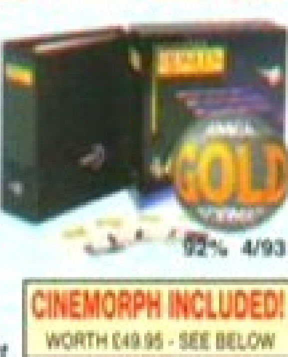
The HC8+ hard drive card gives the ultimate in hard drive performance and can be used to increase your Amiga's RAM.

- High Speed DMA SCSI Controller - Can Handle 7 Devices
- Ultra Fast Access
- SCSI Hard Drive
- Up to 8Mb of FAST RAM
- Direct Memory Access Style Design

0Mb	40Mb	80Mb	120Mb
£129 INC VAT - HAR 1300	£299 INC VAT - HAR 1340	£349 INC VAT - HAR 1388	£429 INC VAT - HAR 1422

IMAGE PROCESSING
FOR ALL AMIGAS WITH 3Mb RAM

Image FX is a complete solution for all your image creation and editing needs. It has a vast range of facilities, can read and write to many other different file formats and directly controls a wide variety of hardware.



CINEMORPH INCLUDED! WORTH £49.95 - SEE BELOW

- 24-bit Painting
- ARexx Compatible
- Virtual Memory Support
- Load, Save and Convert to the Following Formats: ANIM, BMP, Clipboard, DCTV, DPIIE, GIF, HAM-E, ILBM, IMPULSE, JPEG, RENDITION, SCULPT, TARGA, TIFF AND MORE
- Scanning, Framgrabbing & 24-bit Board Support Comes with Modules for Several Popular Hardware Devices: JX100, IV24, AA Chipset
- Create Animations
- Numerous Special Effects Edge Feathering, Shading, Alpha Channel, Morphing, Compositing etc

IMAGE F/X
£199.95 INC VAT - ASI 2002

40MHz ACCELERATOR
FOR THE AMIGA 1200



Other A1200 cards claiming to be accelerators only add maths co-processors and extra RAM, whilst the A1230 can provide both of these PLUS an enhanced CPU. This replacement CPU upgrades the A1200's existing processor with a 68030EC processor running at 40MHz!

32-bit RAM and a maths co-processor can also be added, enhancing performance still further. The A1230 doesn't void your Amiga warranty, and is also compatible with PCMCIA standard cards, not preventing their use!

- The First True A1200 Accelerator
- 68030EC Processor Running at 40MHz
- Up to 32Mb of 32-bit RAM
- Easy Fitting Trapdoor Expansion - Doesn't Void Your Warranty
- Doesn't Disable PCMCIA Interface
- Optional 68882 Co-processor - Twice the Speed of a 68881

A1230 40MHz ACCELERATOR	
0Mb RAM	4Mb RAM + 40MHz 68882 FPU
NEW! £299 INC VAT - UPG 1230	~~£599~~ £499 INC VAT - UPG 1234

SOUND SAMPLER
FOR ALL AMIGAS

Capture sound from an external source and play it back on your Amiga. With GVP's Digital Sound Studio (DSS) you can create your own audio effects for use in games, or make jingles!



- Holds up to 31 Samples in Memory At Once
- Real-time Oscilloscope, Spectrum Analysis, Echo and Reverberation
- Graphic Editing of Wave Forms
- Stereo or Mono Operation
- .MOD File & MIDI Compatible

DSS
£39.95 INC VAT - MUS 2500

SCSI/RAM EXPANSION
FOR THE AMIGA 1200

Adding RAM or a hard drive to your Amiga will have a considerable impact on its speed. The GVP SCSI/RAM allows you to enhance your Amiga with both. Its SCSI hard drive interface is one of the fastest available, whilst its 32-bit RAM upgrade is based on the same technology as that featured in the best selling A1230.

- Built-in, Full SCSI Hard Drive Interface
- Optional 8Mb of 32-bit RAM
- Optional 68882 Maths Co-processor
- Easy to Fit and Doesn't Void Warranty

SCSI CABLE KIT - £49 INC VAT - HAR 1245

0Mb RAM	4Mb RAM + 33MHz 68882 FPU
NEW! £199 INC VAT - HAR 1200	NEW! £399 INC VAT - HAR 1233

VIDEO EFFECTS
FOR ALL AMIGAS WITH 3Mb RAM



CineMorph from GVP opens up the world of Morphing, the process of converting one image to another to create dazzling special effects. Currently very popular in music videos and feature films, morphing has become the fashionable video effect to use. Now with CineMorph you can create these stunning effects on your Amiga.

- Supports the AA Chipset
- Static or Full Motion Morphing
- Single Image Warping
- Fast Render Times
- Renders to HAM-E and DCTV

CINEMORPH
£49.95 INC VAT - ASC 4422

ALL PRICES INCLUDE VAT - DELIVERY IS FREE OF CHARGE IN THE UK MAINLAND

170593-OPI/5

SILICA SYSTEMS OFFER YOU

- FREE OVERNIGHT DELIVERY: On all hardware orders shipped in the UK mainland.
- TECHNICAL SUPPORT HELPLINE: Team of technical experts at your service.
- PRICE MATCH: We normally match competitors on a "Same product - Same price" basis.
- ESTABLISHED 14 YEARS: Proven track record in professional computer sales.
- £12 MILLION TURNOVER (with 60 staff): Solid, reliable and profitable.
- BUSINESS + EDUCATION + GOVERNMENT: Volume discounts available **081-308 0888.**
- SHOWROOMS: Demonstration and training facilities at all our stores.
- THE FULL STOCK RANGE: All of your requirements from one supplier.
- FREE CATALOGUES: Will be mailed to you with offers + software and peripheral details.
- PAYMENT: Major credit cards, cash, cheque or monthly terms (APR 29.8% - written quotes on request).

Before you decide when to buy your new Amiga products, we suggest you think very carefully about WHERE you buy them. Consider what it will be like a few months after you have made your purchase, when you may require additional peripherals or software, or help and advice. And, will the company you buy from contact you with details of new products? At Silica Systems, we ensure that you will have nothing to worry about. We have been established for almost 14 years and, with our unrivalled experience and expertise, we can now claim to meet our customers' requirements with an understanding which is second to none. But don't just take our word for it. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Systems Service".



MAIL ORDER HOTLINE 081-309 1111



SILICA SYSTEMS

MAIL ORDER: Order Lines Open: Mon-Sat 9.00am-6.00pm	1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX — No Late Night Opening	**Tel: 081-309 1111** Fax No: 081-308 0608
LONDON SHOP: Opening Hours: Mon-Sat 9.30am-6.00pm	52 Tottenham Court Road, London, W1P 0BA — No Late Night Opening	**Tel: 071-580 4000** Fax No: 071-323 4737
LONDON SHOP: Opening Hours: Mon-Sat 9.30am-7.00pm	Selfridges (Basement Arena), Oxford Street, London, W1A 1AB — Late Night: Thursday - 8pm	**Tel: 071-629 1234** Extension: 3914
SIDCUP SHOP: Opening Hours: Mon-Sat 9.00am-5.30pm	1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX — Late Night: Friday - 7pm	**Tel: 081-302 8811** Fax No: 081-309 0017
ESSEX SHOP: Opening Hours: Mon-Fri 10.00am-5.30pm (Sat 9.00am-6.00pm)	Keddies (2nd Floor), High Street, Southend-on-Sea, Essex, SS1 1LA — Late Night: Thursday - 7pm	**Tel: 0702 468039** Fax No: 0702 468039

To: Silica Systems, AMFOR-0893-68, 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX

PLEASE SEND A 64 PAGE AMIGA COLOUR CATALOGUE

Mr/Mrs/Miss/Ms: .... Initials: .... Surname: ....

Company Name (if applicable): ....

Address: ....

....

.... Postcode: ....

Tel (Home): .... Tel (Work): ....

Which computer(s), if any, do you own? 68P

GVP Advert 14/05/93 - 68P

E&OE - Advertised prices and specifications may change - Please return the coupon for the latest information.

Two disks for every boy (or girl)



Have you ever heard that loyalty gets rewarded? It's true! Here at **Amiga Format** it is anyway. We believe that our subscribers deserve something a little special for their devotion to the magazine, and something special is exactly what we are going to give them.

Each and every month every single subscriber to Amiga Format will receive a second disk full of utilities, PD and even the occasional game. And it won't cost a penny extra.

Just think about it! You get 12 issues of Amiga Format, at least 24 Coverdisks, and you don't have to bother mixing with the hoi polloi in WH Smith, plus you save your bus fare down town. And all this for five pence less than if you nipped down the newsagent every month for your copys. If you have the good fortune to live elsewhere in the European Community we'll be requiring £67.95 from you.

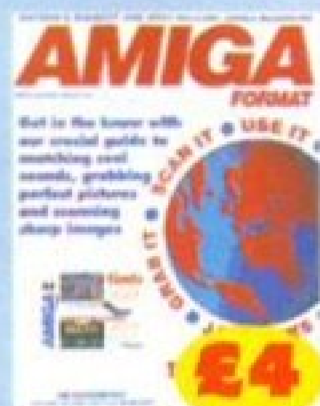
And if you live anywhere else in the world make that money order for £97.45.

You can even get a fabulous piece of software when you subscribe for the special price of just an extra £6.

Back Issues



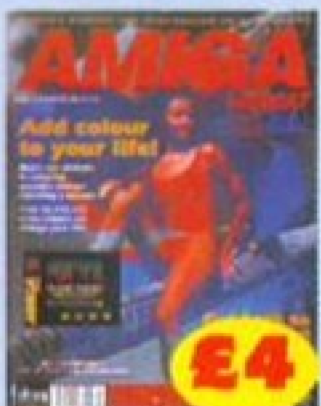
ISSUE 21 Paint programs: every single one tested and rated.



ISSUE 22 Samplers, scanners and digitisers can change your world.



ISSUE 25 DTP explained, plus the massive round-up of the year.



ISSUE 27 True Colour brings 16 million colours to your screen.



ISSUE 29 First review of the A500 Plus, word processors tested.



ISSUE 33 Landscape program *Vista*, plus how to create cartoons.



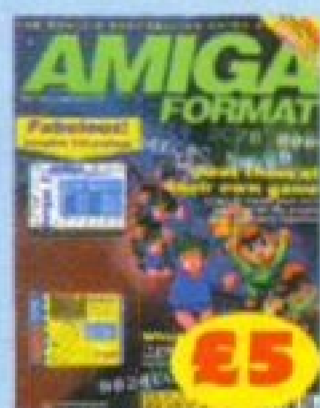
ISSUE 35 Digitising and sampling. Plus *Spectracolor Jr.*



ISSUE 36 Multimedia: *CanDo! Jr* and the low-down on the A600 and the CD-ROM drive!



ISSUE 37 Musicians and artists who have made it big with an Amiga, plus *Animation Station*.



ISSUE 39 Bored with games? Think you can do better? Read the first part of Bullfrog's games programming guide. Plus *Devpac2* on disk.



ISSUE 40 We give you all the hints and tips on how to get the most out of *Deluxe Paint*. Plus: *TVText* and *CrossDOS*.



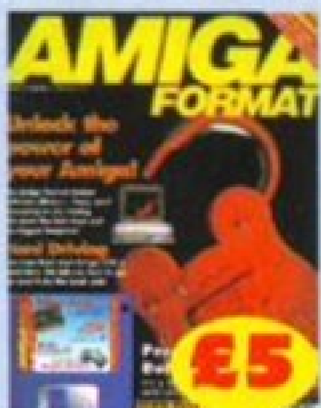
ISSUE 41 The inside story on two new Amigas: the A4000 and A1200. Plus: complete word processor *Scribble!*.



ISSUE 42 The top 30 games of all time tipped. Plus: complete *AMOS* language and *Lemmings 2* demo on the disk.



ISSUE 43 We take a look inside the Amiga and tell you 'How it Works'. On the Coverdisk the full database *ProData*.



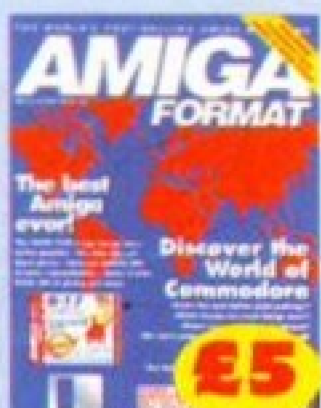
ISSUE 44 The best software ever comes in for a good looking at, as does *Deluxe Paint IV AGA*, and *Personal Paint*.



ISSUE 45 Discover why the Amiga is the world's best multimedia computer. Get five free postcards and play *Dong* on the Coverdisk.

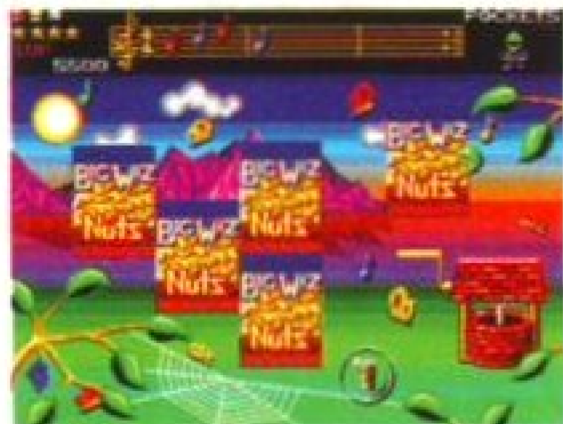


ISSUE 46 The weird world of Cyberpunk. Reviewed: *Lemmings 2*, *Vista Pro 3* and *Real 3D2*. Full round-up of IDE drives.

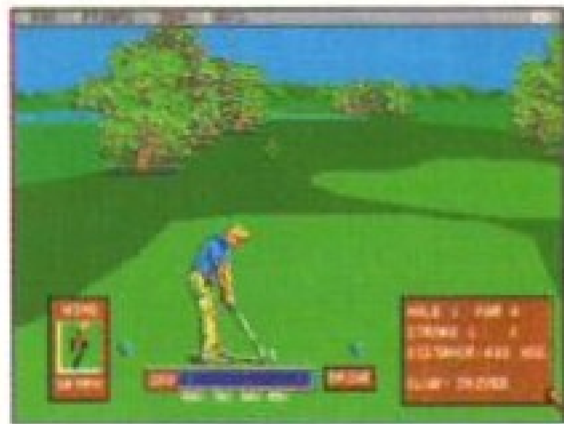


ISSUE 47 A Page-by-page guide to the World of Commodore; review of the new A4000/030 and two stonking game demos.

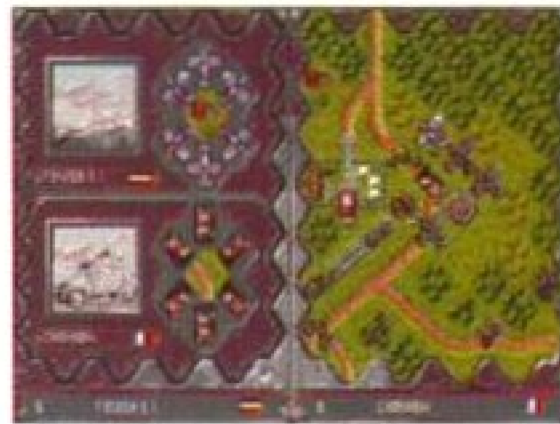
plus you can choose any of these for just an extra six pounds...



Wizkid
A stunningly bizarre platform puzzle adventure game from the inappropriately named Sensible Software. Wizkid scored 93 per cent in **AF**37. And it deserved every single point.



Sportsmaster
Four sports sims in one box. Most notable for the wonderful PGA Tour Golf, a game which no-one should be without. Plus Advantage Tennis, Indianapolis 500 and European Cup Soccer. Scored 90 per cent in **AF**44.



HistoryLine 1914-18
This superb war strategy game is based on the same principles as the FG-scoring Battle Isle. This time it's the course and events of WW1 that you are controlling. It scored a massive 94 per cent in **AF** 43.

Personal Finance Manager
Microdeal's DIY domestic-budgeting system is ideal for balancing your cheque-book, or keeping small business accounts!



Two Free Issues
Alternatively, you can have the best free gift of them all – two extra issues of **Amiga Format**. Just think of all that extra information and entertainment.

Plus an exclusive newsletter just for subscribers

Backstage is a special newsletter written especially for **Amiga Format** subscribers. It features news, views and stories that form the background to the events that make it into the magazine.

Amiga Format subscription & back issues order form

Yes! please enter/renew my subscription to Amiga Format and send me the software of my choice

Tick as appropriate

Subscribers' Superdisk		☐		☐
Sportsmaster			+ £6	☐
History Line			+ £6	☐
Wizkid			+ £6	☐
Personal Finance Mger			+ £6	☐
Free Issues			+ £6	☐
UK	£38.95	☐	£44.95	☐
Europe	£67.95	☐	£73.95	☐
Rest of World	£97.45	☐	£103.95	☐

Please send me the following Amiga Format back issues

____

____

Name ______________________________

Address ______________________________

____

Post code ______________________________

Telephone No. ______________________________

Method of payment

Access ☐ Visa ☐

Cheque ☐ Postal Order ☐

Total Order ______________________________

Credit card No. ______________________________

Expiry Date ______________________________

SEND THIS FORM TO:
Amiga Format
Subscriptions/Back Issues
FREEPOST
Future Publishing Ltd, Carey Court
Somerton, Somerset
TA11 7BR

NO STAMP REQUIRED

Please make cheques payable to:
Future Publishing Ltd
This offer is valid until 30 August 1993
AF MAG 8/93

Treat yourself to something special!

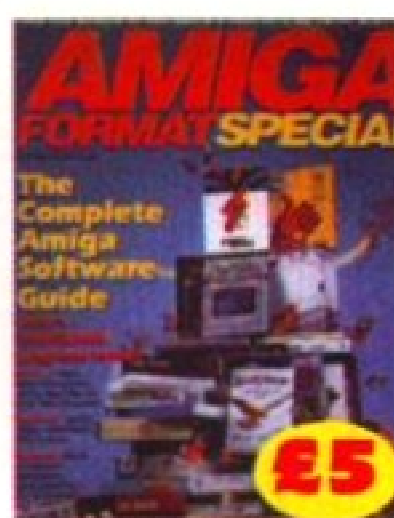
Add to your collection of AFs with the indispensable Amiga Format Specials...



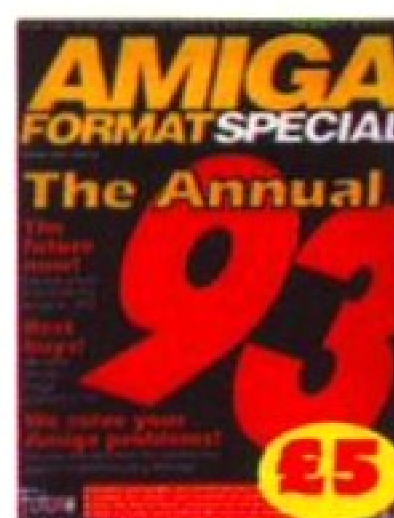
ISSUE 38
Got an A500? Learn how your machine can become a Super Amiga! Plus *IntroCAD*.



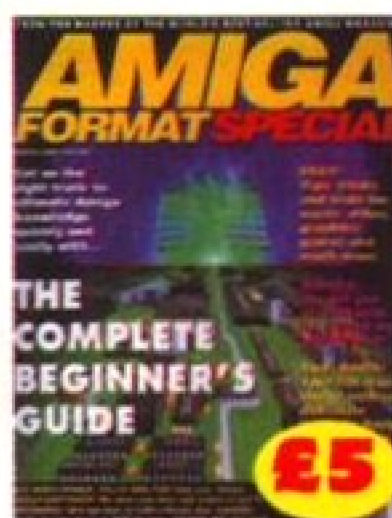
ISSUE 48
Eight page tutorial on how to create your own PD demo; plus we give you the software you'll need. Plus discover about Amiga & video.



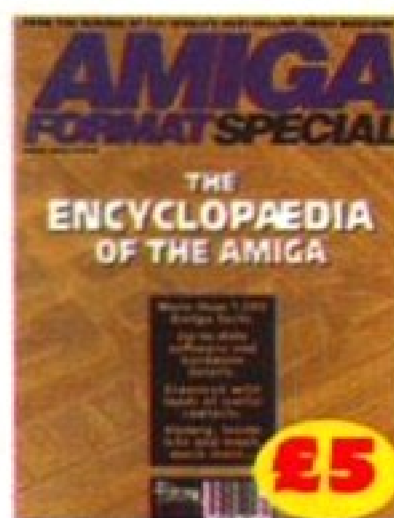
ISSUE 1
The Complete Software Guide
More than 150 pages jam-packed with software reviews.



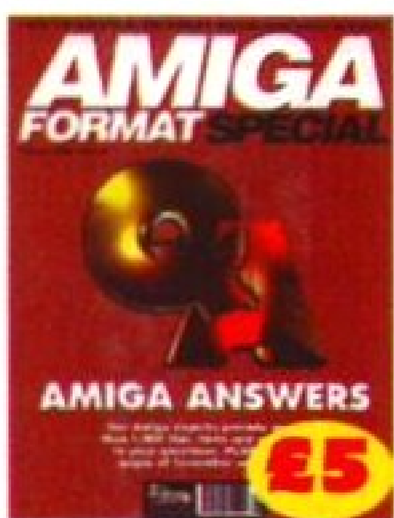
ISSUE 2
The Amiga Format Annual 1993
Find out what goes on behind the scenes at *Amiga Format*.



ISSUE 3
The Complete Beginner's Guide
A complete look at the Amiga especially tailored to help those new to the machine.



ISSUE 4
Encyclopaedia of the Amiga
Everything you ever wanted to know about the Amiga in a handy, alphabetical encyclopaedia.



ISSUE 5
Questions & Answers
All the Amiga related questions you could possibly conceive of answered. And then some.



Look out for the CLR logo!

United Public Do

The innovators

THE BEST SELECTION OF PD IN THE UK !

GAMES

PG003 AIR WARRIOR Good flight Sim + (not A600!)
PG006 ANTEP & SLOT CARS role playing game+ Y
PG021 ATIC ATAC Really playable game! + Y
PG023 BATTLEFORCE strategy war game!
PG024 BLACKJACK A good card game! +
PG026 CASTLE OF DOOM Excellent! Get it + Y
PG028 COLOSSUS & WORLD Fab adventures !+ Y
PG031 DARKSTAFF Spec emulated text adventure!+
PG032 DRAGONS CAVE D&D style game Mega+ Y
PG034 ETERNAL ROME Strategy & DOMINOES+ Y
PG046 HACK Great text adventure-infocom style! +Y
PG047 HOLLYWOOD TRIVIA Nice Trivia Game! +
PG048 HOLY GRAIL One of the best Text adventures+ Y
PG053 LARN A superb text adventure game + Y
PG059 LORE OF CONQUEST space trading D&D game Y
PG062 MENTAL IMAGE 1 Gridrunner invaders & rebound+
PG063 MORIA Classic adventure now version 5.4! +Y
PG064 NAPOLEONIC WAR SIMULATOR A strategy game!
PG065 NESTOR CARD GAME Good cards game! +
PG068 NO MANS LAND Hi tech war game-shoot em up. +Y
PG070 PETER'S QUEST Rescue the maiden platform!+
PG071 POM POM GUNNER Like beach-head on the 64+Y
PG072 PROPERTY MARKET Become a millionaire !!!
PG073 RAPHAELS REVENGE Turtle game in SEUCK!+
PG074 RETURN TO EARTH Elite space trading game! +Y
PG076 SEVEN TILES Speedball type game-MEGA!
PG079 SEALANCE A submarine strategy game +Y
PG080 SERENE Good quality shoot up!+
PG081 SERENE II Follow up to the above game!+
PG085 STARFLEET Nice game done in SEUCK!+
PG093 TENNIS Good game (Some language) 1mg
PG094 TRAIN CONSTRUCTION KIT make own tracks+Y
PG101 THE INSIDERS CLUB Stocks & shares game
PG103 WET BEAVER GAMES Version of Pong game!+
PG110 SUPER SKODA CHALLENGE Nice car racegame!+Y
PG121 A500+ GAMES PACK 21 games to run on a plus+Y
PG124 TOTAL WAR Great new risk type game,ok plus!+
PG126 SKYFLYER Superb WWII shoot em up!+
PG127 AIRMANIA Super platform game from Addware + Y
PG128 CHEAT WORKS Stacks of new cheats.
PG129 PUGGLES Brilliant Q*Bert game!
PG131 ATLANTIS A nice looking strategy game!+
PG138 BATTLE OF BRITAIN & WAR strategy War games!
PG139 DUNGEONS OF MADROJ Excellent D&D game+Y
PG140 MIND GAMES Stacks of fun with this!
PG149 A NIGHT AT THE TOWN Witty text adventure!+
PG151 FLAG CATCHER Avoid the bombs!!
PG153 WAR very good strategy/arcade game+Y
PG154 NUMPTY & ALIEN INVADERS Manic miner type game
PG158 PORK A PORK Pop the balloons & stop the foxes+
PG159 MR BRICK Great mario type collect coins game!
PG164 GAME TAMER 2.3 joystick tester & 268 cheats!+
PG165 SOLID SQUAD Nice little driving game!
PG167 SERENE III From the author of Raid!!!+
PG168 WHATSITSNAME Great new puzzle game just in.
PG174 AMOS CRICKET Shareware cricket game,1 or 2plr+
PG175 SPACETRAX 2 player shoot each other up game+Y
PG176 TECHNOBAN GAME Quite a nice puzzle game!+
PG178 MENTAL IMAGE 2 Three Excellent new games +
PG179 BLOB A tricky game written in ShootEmup kit!+
PG180 SECTOR 1 A nice game similar to Alien Breed+
PG181 STRIKEBALL Baseball type game done in Amos +Y
PG182 ETHOS Simple graphical adventue Sinbad style+Y
PG183 CATACOOMBS great D&D style game. VG.GFX +Y
PG184 FATAL MISSION Very good Shootemup game +
PG185 ARAZMAX Similar to the game Microbes. Good +
PG189 SPACE RESCUE Super scramble like shoot em up!+
PG190 TOP SECRET An exelent quality platform game!+
PG191 ACT OF WAR New space strategy game! +Y
PG194 INTRUDER ALERT Very good strategy game!
PG199 CASHFRUIT Nice fruit machine game! +Y
PG200 ALL ROUNDER CRICKET New cricket game!+Y
PG202/3 IRON CLADS Good strategic war game!(2)Y
PG204 THRALLBOUND Text adventure with graphics!+Y
PG205 SOCCER CARDS Football managing game!+Y
PG214 LEGEND OF LOTHIAN Superb Ultima type game!!+Y
PG218/9 CLASH OF THE EMPIRES Super strategy!+ Y
PG220 MICROMARKET V1.1 Good stock shares game! +Y
PG226 3D GAMES 3 games done in 3d construction+Y
PG227 IMP WALKER 3d walker shoot em up & more +Y
PG242 MR & MRS Great platform adventure game! +Y
PG247 PICTURE TILES Nice picture puzzle game + Y
PG250 FRUIT SALAD Very nice platform game! + Y
PG251 PARADOX & WHITE RABBIT Demos of CLR!+Y
PG253/4 ZALYCON Shoot em up space game!(2) +Y
PG255 KINGDOM AT WAR Nice strategy war game!+Y
PG256 LCD DREAMS 4 small LCD games! +Y
PG257 THE FUNHOUSE Enigma,Thundertron & a slide!+Y
PG258 AGA TETRIS 1200 tetris game & more! Y
PG259 PICTURE PUZZLE Solve picture jigsaws!+Y

ASSASSINS GAMES PACKS!

The best selection of PD games ever assembled anywhere now all autoboot on A1200! (though not all games will run)Something for everyone!

ASI 1 Tanx, Rollerpede, Avatris Amigoids etc!+
ASI 2 Invaders,Bally 2,Missile command etc!+Y
ASI 3 Megaball & Drip Superb gamepack! +Y
ASI 4 Frogger Go Moku,Cracker Jumpy etc!+
ASI 5 Raid, Go Looly & Retaliator+Y
ASI 6 Pacman Downhillchallenge Welltrix etc!+
ASI 7 Moonbase, Trix,Nightworks Clauderunner!+
ASI 8 Airace2,Hball,Snakepit & Numberfumbler!+Y
ASI 9 Features Battle pong & Blizzard! + Y
ASI 10 Escape, Pipeline, Pickout & Sys!+
ASI 11 Dad, Connex,Reversi Towers & Trippin+
ASI 12 Llamatron, Car, Powerpong, XFI, Fab!!+
ASI 13 Twintris, Squamble,Block II,Ball etc!+
ASI 14 ChinaChallenge2 & Amiga Columns!+Y
ASI 15 Battlecars Lettrix & Mambamove!Y
ASI 16 Wastelands, Mission X,Dellemna,Pacman +Y
ASI 17 Tomcat, Defenda, Jetman Bugblaster+ Y
ASI 18 Henry in Panic Skyflyer Omega race!+ Y
ASI 19 Growth,FranticFreddy,Biplane & more!+NOT600
ASI 20 Microbes Hollywood trivia Coin drop +Y
ASI 21 Zeus Tettrix Battlements & Dragonflies+Y
ASI 22 Lemmingoids,Wizzys quest Duel Mouthman+Y
ASI 23 Quick money,BIP,Interferon Arcadia+
ASI 24 Revenge of camels Dux Croak 3dmaze etc!+Y
ASI 25 Mr Brick,Copper,hemeroids,E Type+Y
ASI 26 Superpacman 92 Smashtv Ashido System 4etc+
ASI 27 Addictive card games. Really good!+Y
ASI 28 Doody, DrMario, Invaders2, Madbomber2+
ASI 29 DOG, Rome, Nova, B-Bal, Atax, Quadrix+Y
ASI 30 Bounce & Blast, Total Fire Tank attack!+Y
ASI 31 Arazmaz,Crazy pipe, revolution etc!+ Y
ASI 32 Blob, Sector one & Firefighter! +Y
ASI 33 Hyperball & War! 2 good games+Y
ASI 34 Trailblazer, Yelp, Qbic Rushour! +Y
ASI 35 Poing,Snakepit,Cybernetix Jump n roll!+Y
ASI 36 Mother lode, Wonderland, Kong Tactix!+Y
ASI 37 Klaktris, Ghostship, Paccer etc!+Y
ASI 38 One on One,Baldy,Skyflyer2,Transplant!Y
ASI 39 Lots of card games on this disk! +Y
ASI 40 Disk full of sliding puzzle games!+Y
ASI 41 Pacman deluxe, Hellzone Leap II etc+
ASI 42 Galaga, Intuder alert Dogs in space!+
ASI 43 Interlock Roulette Octothello etc!+Y
ASI 44 Nibbler,Mouse Impossible,Roll on etc+Y
ASI 45 Otris,Paccheese,B-Castle Teserae etc+Y
ASI 46 Amiga Q, City,Checkers, Ouch etc! + Y
ASI 47 Elevation, Furnyre,Crave,Arena! + Y
ASI 48 Point to point,Psycho santa etc! +Y
ASI 49 Deathbringer in space Sue 1+2 etc!+Y
ASI 50 Euphorion,Roach Motel,Balders grove! +Y
ASI 51 Lamers, Fighting Warrior Shapes! +Y
ASI 52 Rockslide, Mouthman, & Nu! +
ASI 53 Venus Invaders,Mastermind etc! + Y
ASI 54 Serene,Serene II & Car Wars! + Y
ASI 55 Cli-tris, Pacatac & Asteroids! + Y
ASI 56 Stormeagle, Extreme Violence & Tiles!+Y
ASI 57 Poo-poo Dominoes Dizzy diamonds Squirm+Y
ASI 58 Super raid 4 Magnatron & Maiessae!+Y
ASI 59 Turbo thrust GX200 & Leedings! +Y
ASI 60 Pipe master2 Alien Hunter & Checkers! +Y
ASI 61 Rattlesnake Running Chaser Scud blaster+Y
ASI 62 Pipeline2 Mazeman & Up and Down ! +Y
ASI 63 Nautilus Frenzy & Drive It!! +Y
ASI 64 Oblivion(fab!) Breakout con kit etc!+Y
ASI 65 Paranoids Chess Word Puzzle Word search+Y
ASI 66 Cow wars Asmastermind & Asokoban! +Y
ASI 67 Siege of the Beast,E Type II & Vektor!+Y
ASI 68 Demolition Mission,Bounder & Atoms!+Y
ASI 69 Klondike,Celestial Apoker Bridge etc!+Y
ASI 70 Digital Tetris, Wangle & Tetris pro!+Y
ASI 71 Numerix, Battleships & Vs Tanks! +Y
ASI 72 Escape pre, Boulderdash(not 1200) Carl!+Y
ASI 73 Lexess, Concentration & Challenger!+Y
ASI 74 Crazy pipes II,Bombjacky & Chute! +Y
ASI 75 Double-squares Colours & Diamond thief+Y
ASI 76 Gnu Chess, Cubus & Gerb! +Y
ASI 77 Balloonacy, Cliff hanger & Descender! +Y
ASI 78 Little Boulder, Headgames Fruit Panic! + Y
ASI 79 Gray Attack, Vector Storm & Atoms! +Y
ASI 80 Army Miner Flip it,Golf The Gallows etc +Y
ASI 81 Amos Defence, Thunder Tron & Gergundula! +Y
ASI 82 Artillerys Shuttle run & Arcade Volleyball+Y
ASI 83 Loadsamoney, Pong & Spider(cards)! +Y
ASI 84 Enigma, Atishoo & Zerberk! +Y
ASI 85 Paradox pre, Matchcards,Rubik & Bagitman! +
ASI 86 Smurfhunt,Lords of Host,Legend of Lothian +Y
ASI 87 Aztec Challenge,Jonus Fullstrand & Landmines+
ASI 88 Defender, Relayer & Mosaic! +Y

Assassins game packs made up in any numbers you require: eg ASI 1-35 only 34.95 inc P&P!!! FUNPACK GAMES PACK 1-35 only 34.95 inc P&P!!! (most run on Amiga 1200!)

FUNPACK GAMES

FUN 01 Towers, Tron & Rings of Zon (NOT DOS 2 OR 3)
FUN 02 Raps, Car & Drip on this disk! +Y
FUN 03 Videopoker, Sys & Pipeline! +Y
FUN 04 X-Fire, Headgames & Drivewars! +Y
FUN 05 Rollon,Super breakout,Airace & Reversi! +Y
FUN 06 Up & Down,Humartia & Missile Command! +Y
FUN 07 Megaball, China Challenge & ATC! +Y
FUN 08 Lore of Conquest,Montana,Welltrix,Sorry! +Y
FUN 09 Snakepit,Blackjack & Mines! +Y
FUN 10 Frog,Sealance & Billiards +
FUN 11 Mosaic,Mutants,Spite&Malice,Quattro etc +Y
FUN 12 Spacewar,Egyptian run,Slotcars,Backgammon +Y
FUN 13 Runnin,Family,Sol,Rollerpede,Tanx etc! +Y
FUN 14 Paranoid,Klondike, Connex etc! +Y
FUN 15 Wordpuzzle, Triangle & Namegame! +Y
FUN 16 Tiles,Newklondike,Paccer,Eternal Rome Flip it+Y
FUN 17 Solitaire,Dominoes,Mambamove & Bally II +Y
FUN 18 Amancala, Llamatron & Rocky +Y
FUN 19 Copper, Attacks & Diamonds. +Y
FUN 20 Simpsons ,Windmill,Windy Day,Metro Tom games+Y
FUN 21 Puzzler,Cat&Mouse,Retaliator,Raps,Bounce etc+Y
FUN 22 Dog,Amines,Nova,Kim,Crossmaze,Cobra, etc! +Y
FUN 23 Jumper,Nakamoto,Rescue,Boomerang,Mirrorwars+Y
FUN 24 Zeus,Chrome,Matchpatch,Phone,Deathbringer +
FUN 25 Adventure,Boardgames,Bunny,Cards,Puzzles +Y
FUN 26 Tetrix,Kamikazi,Cliffhanger,Trek trivia +Y
FUN 27 Bullrun,Pod,Mr Wobbly,Deluxe Hamburger +
FUN 28 Klaktris,Cybernetix,Nebula & Pipe! +Y
FUN 29 Intruder Alert & Crazy Sue! +
FUN 30 Yelp,Tsch,Squamble & System 4! +
FUN 31 Arazmax,Tank,Nu,Battlecars & Orbit 3d +
FUN 32 Wizzys Quest & Spacetrax! + Y
FUN 33 Roulette,Frantic Freddy,Baldy,Othello +
FUN 34 Quickmoney,Nightworks,Superpacman,Bid II +
FUN 35 Search,Deluxe Pacman,Motherlode,MrMunk+Y
FUN 36 Octothello,Galaga,Space invaders2 etc!+Y
FUN 37 Legend of Lothian & Search ! +Y

EDUCATION

PE001/5 EDUCATION SET science programs for ags 11+ +Y
PE006 KIDSPAINT Fab little talking colouring book+Y
PE007/8 LEARN & PLAY Maths, spelling etc. 5-10 yrs +Y
PE009 STORYLAND 2 Save toyland from the witch! +Y
PE010 TOTAL CONCEPTS ASTROMOMY Book on disk +Y
PE011 TOTAL CONCEPTS DINOSAURS Book on a disk+Y
PE013 SIMON & SPACE MATHS Talking maths program
PE014 SPANISH, FRENCH, GERMAN TUTOR+Not 600!
PE015 TREASURE SEARCH find the lost treasure ! +Y
PE016 COLOUR THE ALPHABET learn letters & colours! +Y
PE018 TYPING TUTOR, Superspell Budget & Mscalender+Y
PE019 DUNKS DTP A sort of DeskTopPublisher for kids +Y
PE020 MATHS DRILL Good maths disk for the young! +Y
PE021/4 SCIENCE Very good four disk set!+ (4)Y
PE025 FRACTIONS & SILHOUETTES Good maths tutor+ Y
PE026 WW II FACTS Good historical program!+ Y
PE027 AMIGA BEGINNER Learn to use your machine+ Y
PE028 MATHS ADVENTURE Solve questions to progress+Y
PE030/2 DESKTOP GUIDE TO ELECTRONIC MUSIC! +Y
PE033 MATCH WITH HUMPTY Match the objects! + Y
PE034 WORLD GEOGRAPHY Quite useful disk! +Y
PE035 KIDS DISK1 Super to learn reading! +Y
PE036 FIREWORKS ALPHABET Good for kids! +Y
PE037 HOORAY FOR HENRIETTA Superb preview!+Y
PE038 HENRIETTAS BOOK OF SPELLS Fab preview!+Y
PE039 COLOUR IT Exellent little colouring pad!+Y

BUSINESS

PB001 AMICASH bank management program+Y
PB002/3 ANALYTICALC Superb spreadsheet!+ (2)Y
PB004 ASI LABEL PRINTERS 3 of the best+Y
PB005 BANKIN control your cheque book! +Y
PB006 BUSINESS CARD MAKER Nice program+
PB007 CLERK Complete accounts package+Y
PB008 DESKTOP PUBLISHER Simple to use +Y
PB009 FLEXYBASE DATABASE Address keeper+Y
PB011 MISC.BUSINESS Geotime, Grocery list, Calc
PB013 QED Simple & effective text ed+Y
PB014 RIM DATABASE Fully relational !!+Y
PB015 TEXTPLUS V3.00 The BEST Wordprocessor +Y
PB017 VISICALC SPREADSHEET Simple to use+Y
PB019 BUSINESS LETTERS contracts, letters + more+Y
PB020 TEXT ENGINE 4.0 THE LATEST Version !!! +Y
PB021 AMIBASE PRO. Powerful easy to use Dbase +Y
PB022 BBASE II v5.5 A fast & easy to use database+Y
PB023 FORMS REALLY UNLIMITED form creation prog+Y
PB024 LAST WILL & TESTAMENTS Just in case !+Y
PB025 EDWORD Brand new wordpro - V.good +Y
PB026 AGRAPH Superb Program graphing data +Y
PB028 LITTLE OFFICE Intergrated Wpro,Sst,Dbase,Gfx+Y
PB029 ADDRESS PRINT Good label printing program! +Y
PB030 THE MONEY PROGRAM Home accounting! +Y
PB031 EASYCALC A superb new Fast spreadsheet! +Y
PB032 PAY ADVICE Keep record of payslips! +Y
PB033 A BASE A shareware database program! +Y
PB034 ILLINOIS LABELS Super label program!+Y
PB035 BUDGET V1.34 manage personal finances!+
PB036 CHECKBOOK ACCOUNTANT V2.01 superb! +Y

UTILITIES

(Note: "Y" = ok on A1200!)

PU002 A-GENE Good geneology program + Y
PU004a/b A64 EMULATOR NEW VERSION 2.0 (2)
PU005 AMATEUR RADIO 1 Interest to radio hams + Y
PU010 ARP 1.3 Amigados requester system!+
PU012 ASI GRAFFIX UTILS graphics convertors etc+Y
PU013 ASI BOOT UTILITIES bootblock utilities + Y
PU015 BIORYTHMS, STARCHART 2 Good programs+ Y
PU021 C-LIGHT RAY TRACER Good program+ Y
PU022 CHEMESTHETICS molecule displayer + Y
PU036 CURSER BASIC COMPILER Just what you need!+
PU037 D-COPY The best PD disk copier & more + Y
PU039 DBW The foreunner to Skulpt 3D !!! + Y
PU048 DYNAMITE FONTS II CutNPaste fontscreens Y
PU049 DYNAMITE FONTS More CutNPaste Fonts Y
PU055 ELECTROCAD DEMO circuit designer +
PU058 FONTS AND RAM MANAGER BIG video fonts+
PU059 FONTS & SURFACES Backdrops & fonts+ Y
PU062 GRAPHICS UTILITIES Various misc. programs+Y
PU063 HAMLAB PRO V2.08Convert VGA PC >IFF/HAM+ Y
PU064 HARDDRIVE UTILS MRBackup & FixDisk & more+Y
PU065 ICONMANIA Program icons & more !+ Y
PU066 ICONS Cramm packed with icons !+ Y
PU067 IMPLODER V4.0 Megacrunching Util+ Y
PU069 JAZZBENCH Alternative Wb for 1.2/3 users.
PU071 JR COMM 1.02 Modem users comms package Y
PU072 METALLION UTILS Font Editors & more utils+ Y
PU073/76 KING JAMES BIBLE Old&New testaments (4)+ Y
PU078 M-CAD Hires design package. Excellent + Y
PU080 MESSY-SID 2 Read/Write PC Files, Brilliant!+ Y
PU083 MORSE PROGRAMS for the radio hams. Y
PU086/7 NORTH C 1.3 (2) Complete C compiler & libs+ Y
PU088 NORTH C 1.3 This is the packed 1 disk version!+Y
PU095 PRINTER DRIVER GENERATOR & new drivers+ Y
PU097 PRINT STUDIO V1.25 Prints pics & text etc.+ Y
PU108 ROT A simple 3D drawing package.Very popular +Y
PU109/10 (2 disk) Structured clipart for Ppage + Y
PU112/3 SOMETHING FOR NOTHIN Video Utils&Fonts+ Y
PU115 ST EMULATOR Run Atari ST software !! 2 Drives
PU117 SUPERKILLERS Virus Killers! You need this! +
PU121/2 TV GRAPHICS Dpaint backdrops&Fonts+(2) Y
PU124 ULTIMATE ICONS Iconmaster,Iconlab,+ Y
PU125 ULTRAPAINT v3 A nice paint package!
PU129/30 VIDEO APPLICATIONS Video utilities+ Y
PU136 ZX SPECTRUM EMULATOR Now with sound +
PU139 GRAPHICS CONVERTERS PC>AMigagfx Converter
PU140 LITTLEBENCH File copier & utils Dos2 only
PU143 OPTIUTILS 1 Crammed full ! Get it+ Y
PU144 OPTIUTILS 2 Get this disk too ! + Y
PU149 ELECTRONIC PROTOTYPER Veroboard designer Y
PU152/66 CLIPART SET: 15 Disks of the BEST clipart +Y
PU167 MULTI-PLOT Superb data plotting program ! +
PU169 GELIGNITE FONTS CutNPaste fonts!+
PU171 OPTICOMMS 2 Ncomm 2 & more +Y
PU172 WORDPOWER Solve Anagrams/Crosswords+ Y
PU174 ASTRO 22 professional astrology now V3.0! +Y
PU175 GELIGNITE FONTS II Excellent IFF fonts+Y
PU176 GELIGNITE FONTS III More of above!!+
PU177/8 BENCHMASTER Windowsbench & Messysid!!
PU180 RICHARD SMEDLEY COMP Vat Checker & more.
PU182 STOCK ANALYST Technical analysis program+Y
PU183 AMYGEN Excellent geneology program+Y
PU184 PROCALC V1.0 Professional calculator.
PU185/8 COSMOPOLITAN FONTS (4) Packed with fonts+Y
PU189 TRONIK VIRUS KILLERS 21 virus killers & docsY
PU191 LANDBUILDER fractal land generator+Y
PU192 SID 2 Get this ! directory util !!! MEGA!+Y
PU197 MOBED 2 Dpaint for Sprites & bobs+Y
PU198 VIDEO WIPES Masks & fades Dpaint 3/4 +Y
PU200 LITTLEBENCH 1.3 Now for 1.3 owners!
PU201 MALICE FONTS Exellent tiny fonts for Dpaint!+Y
PU202 CYCLOPS Weird Plasma/fractal creator ! +Y
PU203 SCOPE 184 utils & clips for Ppage Y
PU204 GATOR GRAPHICS Dpaint tutorial disk. +
PU205 PC TASK Wicked PC Emulator Now Version 2!! +Y
PU207 MULTISID Combine SID2 & Multidos(PC>AMIGA)+Y
PU208 ASI HANDYTOOLS 3 mega compilation of utils Y
PU209 FRED FISH CATALOGUE contains FISH 1 - 850 +Y
PU210 PCQ PASCAL Latest version of this pascal compiler+
PU211 AMIGA PUNT A horse race predicting program!+Y
PU212 PERM CHECK PLUS a pools prediction prog Y
PU213 RACE RATER Another horse racing program!! +Y
PU214 DIRWORK A Sid type file copying program!+Y
PU215 CAPTIONATOR Superb shareware video titling!+Y
PU219 WBHACKS+ collection of hacks for + owners+ Y
PU221-225 8 COLOR ICONS Hundreds of new icons +Y
PU226/7 C-EYES FONTS For use in Dpaint, WB, etc.(2)+Y
PU229 JPEG 24 bit graphics compression util disk! +Y
PU230 MORE PRINTER DRIVERS new printer drivers!+Y
PU231/5 PAGESTREAM FONTS 5 disks super fonts!+ (5)Y
PU236/7 SCOPE197/8 Adobe type fonts, 2 disks full! +Y
PU238/9 M.O.R.C. Mouse operated rune caster,oracle !+
PU240 FREECOPY V1.4 powerful disk copying program!+Y
PU241 CALORIE BASE Useful for people on a diet!+Y
PU243 ASPICE Circuit analysis program!+Y
PU244 BON APPETIT This is a recipe database program!+Y
PU245/256 C MANUAL Latest version on 12 disks! (12) +Y
PU257/61 PAGESTREAM FONTS 2nd set of fonts!+Y
PU262 RICHARD SMEDLEY COMP II Mortgages etc!+Y
PU263 LYAPUNOV Fabulous & unusual fractals!!+Y
PU264/8 OUTLINE FONTS For Pro pagev3 ONLY!!+Y
PU272 GOLF RECORDER Database for golf scores!+ Y
PU273 PC<>AMIGASimilar to Messysid, + docs!+ Y
PU274 TRONICAD V1.0 Electronic circuit design!+Y
PU278 GELIGNITE FONTS IV Yes more Iff fonts!
PU279 V MORPH Yes finally a PD morphing prog!!+ Y
PU280 POOLS WIZARD Pools prediction,save disabled+Y
PU282 ASI MULTIVISION 2 Imagelab,Wasp & more,super+Y
PU283 CYCLING MILEAGE RECORDER Useful! +Y
PU284 DART MACHINE Dart score recorder! +
PU285 WORKBENCH 3 BACKGROUNDS. 1200 ONLY!
PU286 INSCRIPT Program for Video titling! +Y
PU287 NUMPAD Numeric keypad emulation!(600 ONLY)
PU288 ENGINEERS KIT Test your Amiga system! +Y
PU289 AUDIO ANIMATION STUDIO Create your own! +Y
PU290 TACK ANIMATION CONSTRUCTION KIT Good! +Y
PU291 1200 WORKBENCH HACKS Useful utils! Y
PU292 1200 UTILS1 Gif & PCX datatypes etc!A must!Y
PU293/317 25 disks of Ham radio software! (25)+Y
PU318 POWER UTILS Utils written in Can Do! +Y
PU319/23 OUTLINE FONTS For Pro page 2.1 or 3!(5)+Y
PU324 WINEMAKER Database for winemakers! +Y
PU325 EZASM LAZ & A68K Programmers disk! +
PU326 PLOTTER Plots two dimensional functions!+Y
PU327/8 X BENCH all round replacement! (2) +
PU329 BCFORTRAN77 Programmers development system+
PU330 SLEEPLESS NIGHTS Utils useful for 1200!Y

ANIMATIONS

PA001 AEGIS ANIMATIONS Juggler, Plane & Marlyn+Y
PA031 BASKETBALL A basketball player 1 Meg! +Y
PA033 BUSY BEE Cute animation of a freaky bee+Y
PA035 COOL COUGAR Good cartoon style anim! +Y
PA036 CX1 SPACESHIP Excellent RT anim +Y
PA039 ERIC-S AMY VS WALKER Cute & sexy! 1.5M Y
PA040 ERIC-S BATMAN vs JOKER Very funny!!!+Y
PA042 ERIC-S COYOTE STRIKES BACK 1mg too! +
PA043 ERIC-S MORE AEROTOONS Very witty !!!+ Y
PA045 ERIC-S STEALTHY II Mig-29 vs Stealthy !+Y
PA046 FRANKLYN THE FLY Day in the life of a fly! +
PA048 GYMNAST ANIM Gymnast swings on bars! +
PA053/4 LIGHT CYCLES (2) Tron animation+
PA055 LUXO TEENAGER A good lamp animation! +Y
PA056 MAGICIAN II Good RT animation+
PA059 MR POTATO HEAD Potato man in cabaret! +
PA060 NEWTONS CRADLE RT animation +Y
PA061 PHAROAH ANIMATION Mask animation! +
PA064 PROBE SEQUENCE Alien life probe? +
PA065/68 REAL 3D (4) Superb of the program+
PA069 REAL THINGS HORSES DEMO Demo anim! +
PA070 SHUTTLECOCK ANIM 2 shuttles+satellite+Y
PA071 THE BOINGS 2 Zebedee characters!! Y
PA072 THE JUGGLER A classic amiga demo!+ Y
PA074 THE WALKER vs The Helicopter - Mega !+ Y
PA075 THE WALKER vs A2000 A classic ! + Y
PA086 FRACTAL ANIMATION full screen low flying anim+Y
PA091/3 GAS TURBINE, STEAM & PETROL ENGINE (3)+Y
PA094 AMY JOGS,WALKS & SNEEZES by E Schwartz! +Y
PA095 HOW TO RUN INTO A WALL by Eric Schwartz! +Y
PA099 ATF AGILITY new ES anim, very witty as usual+Y
PA100 VTOL CONTEST Check out this new ES anim ! +Y
PA101 DOLPHIN DREAMS Great Dolphin anim! + Y
PA103/4 KINGFISHER 2 Superb bird animations!+ Y
PA106/7 THE JOURNEY Fab fractal pics & anims(2)+Y
PA109 SATURN ORBIT Ray traced flight around Saturn+Y
PA118 3 SCHWARTZ Skydive,Soft landing & bomber! +Y
PA119 STEAM ANIMATION V2.0 Now with sound! +Y
PA120 TWO STROKE PETROL ENGINE Super anim+Y
PA121 BOAT ANIM Colourful anim,fast on 1200!+Y
PA122/3 THUNDERBIRDS ANIM Nice animation! (2)+Y
PA124 ANIM COMP 10 mini animations compilation! +Y
PA125 CRAZEE GLOO 3 part glue animation! +Y
PA126/7 PHOTONIC DREAMS Room & Star animations! +Y
PA128 CAN IT ANIMATION Adventures of Alvin areosol+Y
PA129 OWLMAN ANIMATION Amusing little anim!+Y
PA130 CERT ANIMATION Plant eats Butterfly anim! +Y
PA131/40 10 disk set Steve Packer anims!(1200 ONLY)
PA141 STIRLING II ENGINE Another fab engine anim!+Y

AGATRON

AGA01 RED LOTUS Spinning down the road. Fantastic !
AGA02 JET FIGHTER landing on a runway, basic anim +
AGA03 STAR TREK - Shuttle fly past - Great ! 1m +
AGA04 KLINGON CRUISER Flying around your screen !
AGA05 STAR TREK KLINGON fires torpedoes 1m +
AGA06 LOGO, plus a great star wars fly by animation.
AGA07 STAR WARS FIGHTER doing loops etc 1m +
AGA08 STAR WARS, a great ani mfrom the movie (CLI.)
AGA09 STAR WARS - Fighter fly by, impressive 1m +
AGA10 STAR TREK - Enterprise in dry dock. Incredible+
AGA11 TRON - Tank v Deactivator. Good vectors +
AGA12 TRON ANIMATION - Not one of the best +
AGA13 ROBO 1 A nice ray traced robot waving 1m +
AGA14 STAR TREK Workbee & Reliant. 3 shots +
AGA15 LOTUS CAR, Billiards, & Jet Fighter animations! +
AGA16 STAR TREK Various anims from the star trek game +
AGA17 STAR TREK TWOK animation Short but okay +
AGA18 STAR TREK - Enterprise fly by. Short anim +
AGA19 BOND ANIM - Copter plus a car, not too amazing+
AGA20 Huey 2 A helicopter leaving a landing pad +
AGA21 ENTERPRISE DOCKING WITH SPACE STATION+
AGA22 ENTERPRISE APPROCHING stunning anim ! 1M +
AGA23 FLEET MANOEVRE Stunning animation! 1m +
AGA24 KULI PEN animation & Ping pong. Great! 1m +
AGA25 THE RUN , a suberb car chase 1mg +
AGA26 SHIP ROCKING at sea,/enterprise leaves dock+
AGA27 BOOK OPENING Nice anim of a book opening.
AGA28 SHUTTLE & ENTERPRISE Fab anim by Richter+
AGA29 MILLENIUM FALCON The ship being chased -1M
AGA30 HYPERSPACE animation & Landing animation 1m +
AGA31 PORSCHE anim rising out of table 1 mg. +
AGA32 SPACE - Space probe flying away 1m +
AGA33 PROBE Bird of prey animation & Klingonhit! 1m
AGA34 SPACE OFFICE Star trek anim, a little short +
AGA35 SPACE PROBE, great anim of probe zooming off!+
AGA36 BIRD OF PREY, loop the loop animation 1m +
AGA37 TOBIAS GOES KNACKERS - Check this out ! 1m +
AGA38 TOTALLY WICKED ! Shuttle & Enterprise (2 MEG)
AGA39/53 AGATRON SPECIAL! Yes, a 15 disk anim!+Y
AGA54/62 AGATRON SPECIAL! a 9 disk anim, fans only+Y

POWERANIMS

PP001/2 ANTI LEMMINGS (2) This is Brilliant! 2M
PP003 AT THE MOVIES Cute anim of Amy squirrel 1.5M+Y
PP004/7 AUTOMATED LIGHT (4) Battlestar galactica! 3M
PP008/10 BUZZED (3) Great anim of wasp crashing! 2M
PP011/12 DATING GAME (2) Very witty!, Get it. 3.5M!
PP016 GULF WAR Another ES production! Good 2M! Y
PP018/20 LOST IN SPACE (3) Good cult TV anim! 2M
PP021/4 LANDING (4)Tobias Richter poweranim 4M!
PP025/27 STATION AT KHARN (3) Incredible 2M demo Y
PP036/7 WALKER DEMO (2) A 2mg version of a classic!
PP040/43 AT THE MOVIES II (4) Hilarious ! 1mg>3mg
PP044/45 AMY V WALKER II (2) Another witty ES demo 3M
PP046 SWEET REVENGE Coyote vs Roadrunner ! 1.5mg+Y
PP050 UNSPORTING Wicked aerotoon by Schwartz+ 2M Y
PP051/2 CHARLY CAT Super Shwartzlike cartoon! 2mg Y
PP053/4 CHARLY CAT AT THE BEACH 2nd fab anim 2mg!Y
PP057/9 CHARLY CAT CATCHES A CANARY Fab! 3MG.
PP060/3 CHARLY CAT MOUSTERMIND Great! 3.5MG.
PP064 DUNCAN DUNG BEETLE Unusual 2mg animation! Y
PP065/6 CHARLY CAT SNOWJOKE Latest anim 2mg.+ Y
PP067/9 SPEED LIMIT 3mg motorcycle race! + Y (3)
PP070/1 LEMMINGS REVENGE Very amusing anim! 2mg Y
PP074/6 G.I. SPY 3mg anim from charlie cat author! (3)
PP077/84 THE HAUNTED Tremendous animation,3mg!(8)
PP085/7 THE AD Strange swartzlike animation! 3mg (3)
PP088/9 SPORTING DOO DOO Nice new animation! 2mg(2)
PP090/1 ROADHOG ANIM Very funny 2mg animation!(2)Y
PP091/2 SPAR TREK Amusing animation, 2meg (2)Y
PP093/98 DUNK'S BACK New Duncan anim,5 disks 4 mg!
PP099/100 AT THE FLIX Charlie cat again! (2) 2mg
PP101/4 QUALITY TIME Superb Shwartz 5mg anim (4)!

DEMOS

PD002 ALARM MEGADEMO Acid type video demo!+Y
PD005 AMOS 3D DEMO Shows some great effects!+Y
PD015 BRONX WHAT A RUSH Quite a nice demo!+
PD018 CHAOS ROCK Fab light show with fractals!+
PD23/25 ALCATRAZ MEGADEMO Huge, on 3 disks!+
PD039 FILLET THE FISH Similar to puggs +
PD043 GOLDFIRE ULTIMATE FX Good megademo! +
PD048 KATHARSIS MEGA Polish Xcopy demo!+
PD064 NEWTEK DEMO 3 exellent demo!(2)+
PD066 PHENOMENA ECES light sourced vectors! +
PD068 PHENOMENA ENIGMA Absolutely brilliant! +Y
PD076 PLASMUTEX Good plasma & great music +
PD077 PMC ALPHA OMEGA Superb vector demo+
PD085 REBELS MEGADEMO II An old classic +
PD088 REBELS TRIPLE TROUBLE plasma effects! +
PD090/91 RED SECTOR MEGADEMO (2) good +
PD093 SCOOPEX CHROMIUM Superb demo.+Y
PD094 SCOOPEX MENTAL HANGOVER A classic+
PD097 SILENTS GLOBAL TRASH Incredible!!+
PD113 VANGELIS DEMO Fab music & color cycling!+
PD115 WARFALCONS PURPLE Oldie but goodie! +Y
PD116 WITH VECTORS TO HEAVEN Quite good demo! +
PD121 DIVINA TECHNO FRIGHT Unusual! +
PD124 ANDROMEDA DECAYING PARADISE Good! +
PD130/34 ALCATRAZ ODDESSY Awesome!! Ok on 500+!
PD135/6 CRIONICS HARDWIRED Very impressive demo!!!
PD139 TRACKERS POWER & AGONY Unusual vectors! +
PD140 CELSIUS 23 MORE VECTORS Hundreds ofVectors+Y
PD142 FINAL CONFESSION Music & Plasma effects!+Y
PD143 CAT Silents & Crionics demo for cat club +
PD145 NECRONOMIA Excellent demo, if bit freaky ! +
PD146 DOS Excellent vectors & music demo +
PD154 DECAY GET FROGGED Superb quality! +Y
PD156/7 REAL EMPATHY Good Demo & Fab game inc. !
PD158 DIGITAL PUNISHER Very good BlitterZoom Fx
PD159 ANARCHY IN THE KITCHEN Some good FX Fab!+
PD160 ANDROMEDA POINT BLANK Crazy polygon effects
PD161 BRONX MEGADEMO II Several sections to this!
PD162 ALCHEMY MARCHWITH Very good new demo+
PD163 GUARDIAN DRAGON 2 NEW demo from Kefrens
PD164 DESIRE MENACE Good Psycho rave demo +
PD165 DARK DEMON Mega new demo .... get it+Y
PD166 PALACE LINUS Like the 7Up Ad on TV +
PD167 ANALOG FALLEN Excellent demo +
PD168 MELON DEZIGN 808 A classy new demo
PD169 BIG BANG Excellent spacey-type demo+
PD170 PIECE OF MIND Good 3D vector effects. +Y
PD171/2 SILENTS EXPOSE(2) Incredible Get it !+Y
PD173 EXIT MEGADEMO 3 Another very good demo
PD174 ANARCHY DEJA VU Some more superb effects!
PD175 REFLECT SOUND VISION Super effects & music!
PD177/8 TRSI TIME ZONE New, some good effects!+Y
PD181 CINEMORPH Fab morphing of 4 faces! 1mbchip!+Y
PD182 SPACEBALL Absolutely brill,needs 1meg chip!+Y
PD183 DIGITAL LETHAL EXIT Good vectors demo! +Y
PD184 ANDROMEDA MINDRIOT Very good vector demo! Y
PD185/6 ANDROMEDA MIRROR Fab Music & Graphics!+Y
PD187 HOY AGA DEMO 1st 1200 demo,a must! 1200 ONLY
PD188 SANITY WORLD OF COMMODORE Super demo+Y
PD189/90 SILENTS DEMON DOWNLOAD Fab demo! (2) +Y
PD191/3 ALPHA OMEGA 2 3 disk extravaganza! (3)
PD194/6 DETONATION 3 disk pic & anim set!(3)+Y
PD197 MOBIL DESTINATION UNKNOWN by Spaceballs+Y

MUSIC DISKS

PM001 100 GREATEST 64 TUNES 100 fab 64 tunes!+
PM004 ALCATRAZ 'THE POWER're-mix of song by Snap+
PM005 ALCATRAZ MORE THAN MUSIC A superb disk!+
PM006 ALCATRAZ SOUNDS OF ENERGY 4 house!+Y
PM010 AMEGA PARTY WINNERS Four WICKED songs+ Y
PM012 AMIGADEUS CLASSICAL Eine Kleiner etc. + Y
PM013 ANARCHY CAPTURED IMAGINATION Nice music!
PM016 BEATLES SONIX Nice music +Y
PM018 BEATMASTER I LOVE TECHNOLOGY Rave ! +Y
PM019 BRUNO's MUSIC BOX II Superb jazz funk music +Y
PM020/21 BRUNOS MUSIC BOX III Jazzfunk. Get it ! +Y
PM022/23 CLASSICAL MUSIC Bach, Handel etc +Y
PM026 DEPECHE MODE MUSIC Soundtrackered tunes! +Y
PM027 D-MOB MUSIC 3 House music remix, good! +
PM030/34 DIGITAL CONCERTs 2-6 Excellent house/dance
PM035 DIGITAL DEBUSSY Fab Rob Baxter conversions!+Y
PM036 DIGITAL DEBUSSY!! classic Debussy music!+ Y
PM041 EQUAMANIA II Dance music track & equalisers!
PM047/8 GOLDFIRE CEREBRAL DELIGHTS (2) Nice !+
PM052 KEFRENS JUKEBOX Lovely music & juke box! +Y
PM058 MAG FIELDS CHIP FESTIVAL Full of chip music!+Y
PM059 MANIACS OF NOISE This is brilliant!+
PM061 NEWTRONS MUSIC BOX Headbanger demo-good+
PM065 PHENOMENA MUSIC DREAMS 1 20 fab songs +
PM069 RAZOR FACE ANOTHER DAY very good !!!
PM070 RHAPSODY IN BLUE tracked by Rob Baxter! 1MY
PM071/72 SILENTS BLUES HOUSE (2) Music & game+
PM073 SILENTS FULL POWER House it up music! +
PM074 SOUND OF SILENTS Jut get this its mega!
PM079 TECHNOTRONIX REMIX Good remixes etc.
PM082a/82b VIVALDI - FOUR SEASONS (2) V.Good !+ Y
PM090/91MOZART HORNCONCERTO 4 by H.Gammon+ Y
PM092 PIANO TUNES Nine piano songs- good + Y
PM095 HARDCORE !!! Techno dance tracks!
PM096 STAIRWAY TO HEAVEN Rendition of the song+Y
PM100/103 MANIC RAVES II Fantastic rave stuff(4) !
PM104 500 THINGS COMEBACK 4 great rave type tracks+
PM105/6 KEFRENS MEGAMIX Fabulous dance music+
PM112 TECHOMANIA II 8 essential hardcore tunes+
PM113 PROTON GATES OF TIME 6 good pieces of music+
PM114 UPROAR SPLIT BEAVER MIX rave megamix +Y
PM115a/b CHROME Brilliant music disks !+Y(2)
PM117 MUZAK OF THE WORLD original Amiga music! +Y
PM118 TSP RIPPED MUSIC 1 Some good tracks+
PM119 TSP RIPPED MUSIC 2 MOre of above+
PM120 IDEAL MODE AEROSOL EP Go raving mad +
PM121 NIGHTBREED MUSIC DEMO 8 Rave music +Y
PM122/4 PLAYSID 2 (3) You must get this !!!!! +Y
PM125 PLAYSID inc.RobHubbard, ManiacsOfNoise + Y
PM130/2 BACH BRANDENBURG CONCERTOS 1 to 6 +Y
PM133 DANCE TRANCE Rave tracks played amiga style.
PM134/5 SOUNDS OF SCIENCE (2) Absolutely Brilliant!+Y
PM137 KEFRENS MEGAMIX II Very good !! dance music!+
PM138 EROTICA 6 Mega music ! inc crocketts theme ! +
PM139/40 SPRING MELODIES (2) 9 tracks fron anarchy
PM141 HARDLINE MUSIC 7 groovy synth-style tracks +Y
PM142 FRACTAL MUSIC Very well presented !! get it!
PM143 FALCONS MUSICBOX 2 Average music disk+Y
PM144 BOUNCER Remix of the song by Kicks like a mule!
PM145 PARADISE TECHNO POWER Great techno music !
PM146/7 ROLLING Good music on a false workbench!!! (2)
PM148/9 DRUMS & REVERB Exellent synth type music!! (2)
PM150 DESKTOP HARPSICHORD RECITAL Classics! + Y
PM151 INTENSE RAVE VISION A very good rave music !!Y
PM152 PARADISE: NO BRAIN NO PAIN Good for ravers!! +
PM153 BIZE: KILL DA BABE 6 tracks of rave music!! +
PM154 PULSE Yes, pulsating rave music again!! +Y
PM155 VINE G-RAVE 5 more good rave tracks!!! +Y
PM156 VIOLENCE PHONOBOMB Four good tracks +
PM161 CYBERNETIX 19 songs packed on 1 disk!+
PM162 MORE MED TUNES Fab tunes by Alex Starrex!+Y
PM163 OCTASTUFF Some good 8 track tunes! + Y
PM164 OCTAROCK 3D More 8 track & 3d graphics!+Y
PM165/6 NUTCRACKER SUITE Super rendition!+ Y
PM167/8 JESUS ON ES Crazy rave music demo! +(2)
PM169 BRAINSTORM MUSICLAND Nice music disk!
PM170/2 LUNATICS INFINITE DREAMS Great music!(3)+Y
PM173 CDTV MUSIC Super graphics & sound, 8 tracks!
PM174 CLASSIC WORKS Grieg & Bach classics! +Y
PM175 SONIX MUSIC Some nice scores here!(loadwb)+Y

SLIDESHOWS

PS002 ADVANCE HAM Really stunning !+ Y
PS008 AIRCRAFT SLIDE Pics of fighter aircraft!+Y
PS009 ASTRONOMY SLIDE very impressive!+Y
PS013 BORN TO BE FREE wild animals +Y
PS019 COLOURCYCLES Neat effects,good pictures!+
PS024 DESERT ISLAND SLIDE Lots of nice pics!+
PS033 GERMAN RAY TRACE Superb See these !+
PS039 INVISIBLE WORLD yuch, bed bugs etc!+
PS045 KELLY S/S Some quality HAM pictures.+Y
PS056 NEWTEK DYNAMIC HAM 640x512 4096 color pics+
PS062 NW DYNAMIC HAM Nik Williams Superb quality.+
PS072 SUPER HAM CARS This is a must-Mega!+ Y
PS086 SONIC 5 Superb D-HAM 4096 colour pics+
PS090 FRACTALGEN Incredible fractals etc +Y
PS101 ANALOGUE SLIDE Ray traced space pics!+Y
PS103 DYNAMIC HIRES 2, 4 fantastic quality pictures!+
PS107 ALCATRAZ MUSEUM Superb pictures! +

MUSIC UTILS

PT001 ALGORYTHMS Create weird midi tunes
PT002 ART OF MED Excellent !+ Y
PT005 CASIO CZ EDITOR 250 patches ! +
PT009 K1 IFF SAMPLES Fabulous samples +
PT011 KAWAI K1 editor for patch changes!
PT012 KAWAI K4 editor as above!
PT013 MED 3.2 Excellent music seq. + Y
PT015 MIDI DISK Various midi stuff +
PT020 ST-01 - ST-10 Samples--Ring for details
PT021 SOUNDTRACKER 2.6 Excellent, ok plus!+Y
PT025/6/7/8 ST-90-93 SAMPLES Studio quality+ Y
PT029 YAMAHA DX7 VOICE FILER for DX7 synths!
PT030 YAMAHA DX7 VOICE SORTER for the above !
PT031/2/3 ST-87 - 89 3 disks full !+Y
PT034/5 ST-97 & 98 More samples !+Y
PT038 YAMAHA DX100,TX81Z, DX27,DX11 & FB01 editors
PT040 OCTAMED V2 8 channel MED sequencer!+
PT041 NOISEPLAYER 4.0 Multitasking module player+
PT042 START IFF SAMPLES Superb ! Get this disk!+Y
PT043/5 HOUSE SAMPLES 3 disks full of house samples!
PT046 AUDIO MAGIC3 Super trackers disk, ok on 1200+Y
PT047 AUDIO MAGIC4 More Superb music programs! + Y
PT048/52 MODULES 5 disks of large music modules!+Y
PT053/57 METAL MODULES 5 disks heavy rock/metal! +Y

AMOS PD

APD036 AMOS UPATER LATEST VERSION v1.36 + Y
APD237 SHAPES Excellent kids game !+Y
APD257 CASSETTE LABELLER + MIXED SOURCE+Y
APD271 WIZARDS DOMAIN graphical adventure+Y
APD347 NOTEBOOK & SHOPPING LIST Easy to use !+ Y
APD363 FAMILY HISTORY DATABASE Latest version!+Y
APD373 COMPILER 1.36 UPDATE, LATEST compiler !+Y
APD382 AMOS HANGMAN Good version of the game! + Y
APD385 CHASER,RATTLESNAKE & MAZEMAN Games!+Y
APD431 KARATE WORM II Latest version of game! +Y
APD442 SLIDESHOW CONSTRUCTION SET V2! +Y
APD451 NODDY,S PLAYTIME Educational demo! +Y
APD458 TOP OF THE LEAGUE Football manager!+Y
APD466 AMOS PRO UPDATER V1.12 Just in!!! +Y

NEW!

PG260/1 18TH HOLE A nice golf game! (2) +Y
PG262 AGA CHESS Needs 4mg of ram to play! AGA ONLY
PG263 SPACE CLEANER A bombjack clone! +Y
PG264 SOLITAIRE SAMPLER Nice new game! +Y
PE040 HOW THE EARTH BEGAN The full story! +Y
PE041 SINGALONG NURSERY RHYMES Good fun! +Y
PE042 CHILDRENS FAVOURIRES More fun! +Y
PU331/43 COLOUR FONTS(ASSIGNABLE)(13) +Y
PU344 EXEL Nice Cardfile type database program! +Y
PU345 AMOS PRINTER Print screen from within Amos! +Y
PU346 EXOTIC RIPPER V2.10 Soundtracker ripper! +Y
PU347 RAVE GENERATOR Plug in a sampler(1mg chip)+Y
PU348 SPEED UTILS Fixdisk Headclean Snoop & more!+Y
PU349 NCOMM V3.00 The latest version comms disk! +Y
PU350 KINGFISHER Fish database 1-840 (packed) +Y
PA142 NIGHTBREED AGA FRACTAL FLIGHT Colourful! Y
PD198 FACULTY BRILLIANCE inc Ray traced jets!
PD199 TRSI MISERY DENTRO Unusual effects! +
PD200 PHOENIX DEMO inc Flashy rave demo!+Y
PD201 1200 INTROS Yes, some AGA intros at last! Y
PD202 TECHNOLOGICAL DEATH Freaky techno rave +Y
PM176 TUNE UP THE BASE Killer Rave music disk! +Y
PM177/8 LEGALISE IT 2 Some really cool music! (2) +
PM179 PLAYSID V2.2 More old 64 style music! +Y
PM180 HARDLINE BLACK ENERGY Nice music disk! +Y
PM181/2 PASTEL VANILLA Super cool amiga music! (2)+Y
PS115 THE GATHERING 93 Stunning pictures here! +Y
PS116 MELON SLIDE Some superb artwork!
PS117/8 NIGHTBREED AGA SLIDESHOW Super (2) Y
PP105/6 SATELITTES REVENGE Good anim!(2) 2M
PP107 DAMBUSTERS Lancaster bomber fun! 2M

ORDERING MADE EASY

BY POST: send your Name, Address & Order details with a Cheque / PO / IMO to any of the companies listed
BY PHONE: Call us with your card number and details for a 1st class service. All major cards accepted
PD PRICES: 1 - 5 disks £2.00 per disk • 6 - 25 disks £1.25 per disk • 26 or more disk are still only 99p per disk !
POST & PACKING: UK - 50p • UK 'Recorded Delivery' £1.00 • Europe +25p per disk • Rest of World +50p per disk
REMEMBER: We stock Fish 1-860, Tbag 1-74, Amos, Scope, Snag, Amicus, Amigos & lots more superb PD disks!!

PLEASE NOTE:
All disks on the advert should work on the Amiga 1.2/1.3 dos systems unless otherwise stated! All disks with a "+" sign should work on the Amiga 500+ & 600 machines!
However there are so many different setups now in use it is becoming impossible to test for every possible variation, so please use some caution especially with A1500/2000 with various dos systems, CDTV and of course the new Amiga 1200 & 4000 systems. Disks marked with a "Y" should be okay on the A1200 / 4000 though obviously not yet extensively tested. Please take care!

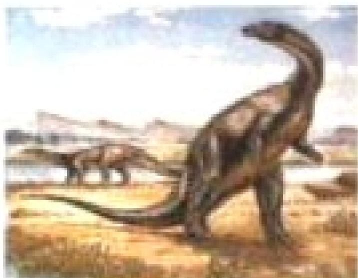
VISA

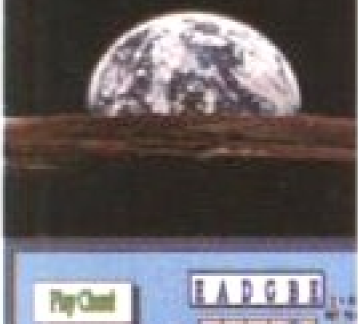
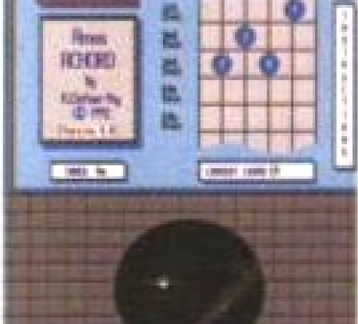
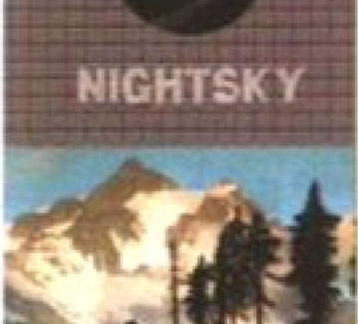
MasterCard

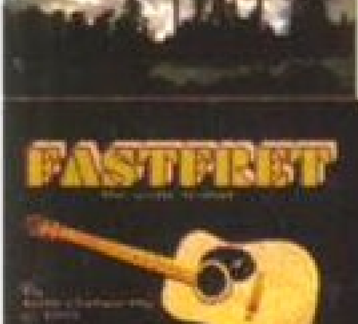
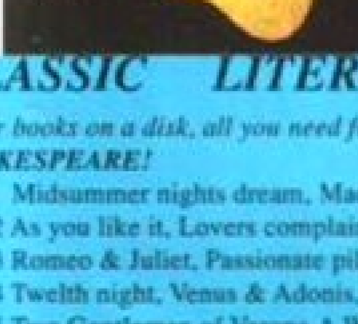
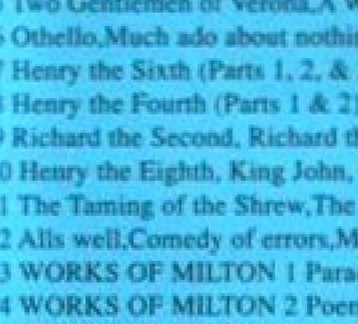
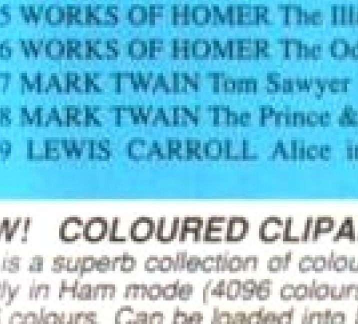
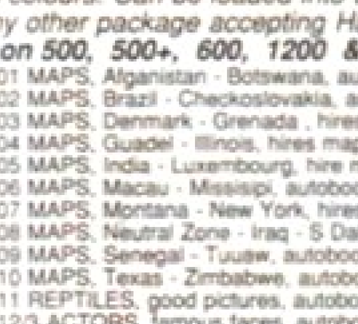
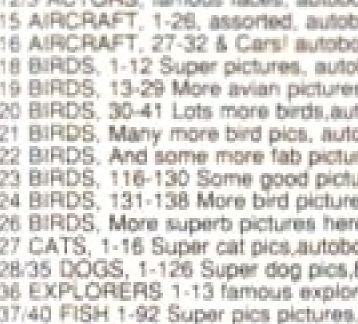
main Distributors

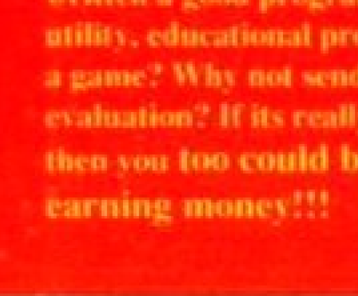
not the imitators !







Most CLR titles ok on A1200!

.. The Central Licenseware Register ..

Commercial Quality programs at a PD price !

Most CLR titles ok on A1200!

EDUCATIONAL

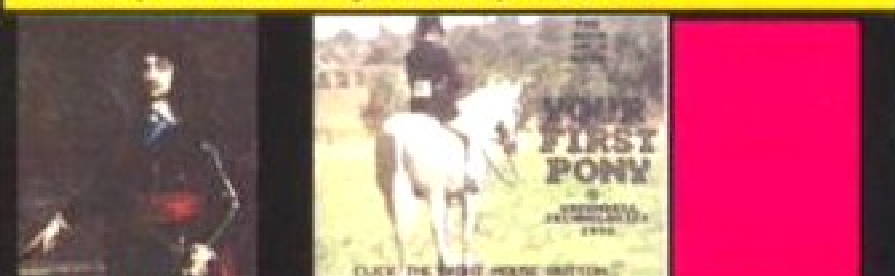
CLE01 TOTAL CONCEPTS DINOSAURS Learn your family all about the amazing dinosaurs! 2 disks 4.50. +
CLE02 TOTAL CONCEPTS GEOLOGY Superb book on a disk by Chris Hill, learn all about the rocks! 2 disks 4.50. +
CLE03 TOTAL CONCEPTS SOLAR SYSTEM A superb illustrated guide to our Solar system! 3 disks 4.99. +
CLE05 A-CHORD Teaches you all the chords you need to play the guitar, become the next Eric Clapton! 1 disk 3.50. +
CLE07 TOTAL CONCEPTS FRESHWATER FISHING Learn all about freshwater fishing! Comes on 2 disks 4.50 +
CLE08 NIGHT SKY Features over 1500 stars,sky can by displayed as seen from anywhere on earth! Exellent! 1 disk 3.50. +
CLE09 WORDS & LADDERS Good spelling program for the very young child!, 1-2 players! 1 disk 3.50.+
CLE10 BASICALLY AMIGA Extensive guide to Amigados! Very good program for beginners. 3 disks 4.99! +
CLE11 LET'S LEARN For children of 5-7 years, progress through 5 levels of difficulty, Sums tunes etc. 1 disk 3.50. +
CLE12 ALPHABET TEACH Simple to understand spelling program for the kids! Shows picture,asks for word. 1 disk 3.50! +
CLE13 HOME BREW A very nice program for the creation of home made wines! Option for printing recipies. 1 disk 3.50. +
CLE14 ECOLOGY Learn about the most important "ology" in our lives! Superbly illustrated! 3 disks 4.99. +
CLE15 FAST FRET This is a guitar scales tutor, the very thing for the budding lead guitarist! 1 disk 3.50. +
CLE16 KINGS & QUEENS A history lesson on all of the Kings & Queens of England since recorded history! 2 disks 4.50.+
CLE17 THINGAMAJIG An electronic jigsaw with 24 pictures, place the pieces correctly on the screen, by Len Tucker. 1 disk 3.50. +
CLE18 WORK & PLAY 3 educational programs: CLICK CLOCK learn the time,FUNTIME TABLES maths & GO SHOPPING! 1 disk 3.50. +
CLE19 PLAY IT SAFE Teaches safety in the home, Help Teddy make your home safe from the beasties! 1 disk 3.50. +
CLE20 BIG TOP FUN Four program,Word balance,Matchplay,Balloon burst & Seal a grams 1 disk 3.50. +
CLE21 JIGMANIA Jigsaw solving & construction set! Keep you busy for ages! 1 disk 3.50! +
CLE22 CHESS TEACHER is a program designed to teach chess in a fun & easy to understand way! 1 disk 3.50. +
CLE23 MIND YOUR LANGUAGE This is a self improvement vocabulary course, with huge dictionary! 1 disk 3.50. +
CLE24 SPEED READING This program tests your reading speed & helps you improve it! 2 disks 4.50. +
CLE25 CHORD COACH This is a superb Piano Tutor, learn the chords & hear the Amiga play them! 1 disk 3.50. +
CLE26 SNAP An educational game for languages, this comes on 1 disk 3.50. +
CLE27 C.A.T.T.This is a superb Tarot reading program! Now you can read your own! 3 disks 4.99! +
CLE28 FUN WITH CUBBY There are 8 fun games on this disk for typing,spelling,painting,counting & much more! Super! 1 disk 3.50.+
CLE29 PREHISTORIC FUN PACK Here are 4 super dinosaur games all with a prehistoric theme, great for the kids! 1 disk 3.50.+
CLE30 PEG A PICTURE Make a picture from coloured pegs or coloured shapes, great for young kids! 1 disk 3.50.+
CLE31 UNDERSTANDING AMOS This set will really help you learn how to use Amos! (NEEDS AMOS) 2 disks 4.50. +
CLE32 SPITFIRE! Superb illustrated book on a disk covering the legendary WWII fighter plane! 2 disks 4.50.+
CLE33 MESSERSCHMITT BF109 Another super WWII book on a disk, this time the German Messerschmitt! 2 disks 4.50.+
CLE34 YOUR FIRST PONY Want to learn to look after & ride a pony? This will learn you all you need to know! 2 disks 4.50.+
CLE35 TOTAL CONCEPTS SOLAR SYSTEM II See below:

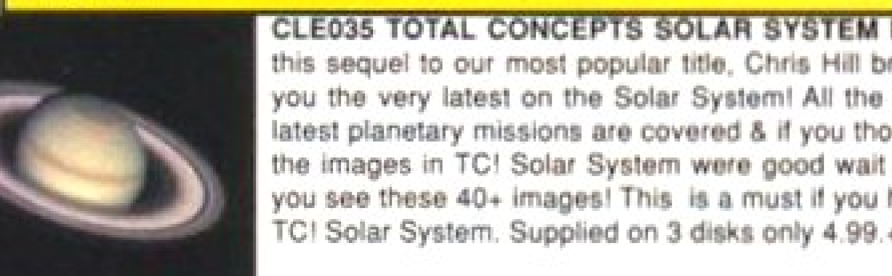
UTILITIES

CLU01 VIDEO TITLER Create smooth scrolling video titles! Best with a genlock 1 disk 3.50! +
CLU02 FISH INDEXER This is a great database for the Fred Fish library! 1 disk 3.50. +
CLU03 TYPING TUTOR Full typing course,shows you where to put your fingers & more! Comes on 1 disk 3.50.+
CLU04 ALPHAGRAPH Good program for producing Bar & Pie charts etc! 3.50. +
CLU05 S.A.S. MENU MAKER Yes, make your own menu's with this useful utility! 1 disk 3.50. +
CLU06 SUPER SOUND III Superb sampling program, samples & allows special effects such as reverb & flanging! 1 disk 3.50.+
CLU07 PHILO Simple to use but effective database system,ideal for the beginner! 1 disk 3.50.+
CLU08 WORD FINDER crossword & anagram solver & dictionary! 2 disks 4.50 +
CLU09 PLAY & RAVE2 Music module linker, create your own tunes!2 disks 4.50+
CLU10 POWER ACCOUNTS Generate account statements, income etc! 3.50. +
CLU11 CALC V1.3 Do all of your calculations with this very useful spreadsheet program! 1 disk 3.50. +
CLU12 VIRTUAL WINDOWS
CLU13 DATOS A powerful database, many features. 1 disk 3.50. +
CLU14 STOCK CONTROLLER Keep track of stocks! 1 disk 3.50. +
CLU15 EPOCH VI calendar for Amiga,1299 yr diary 1 disk3.50.+
CLU16 CROSS STITCH good needlework program,1 disk 3.50 +
CLU17 LC10 FONTS Nice fonts for Star LC10 printer! 1 disk 3.50.+
CLU18 LC200 FONTS Fonts for your LC200 printer! 1 disk 3.50. +
CLU19 LC24 FONTS Fonts for your Star 24 pin printer. 1 disk 3.50! +
CLU20 CANON BJ10 Get the most from your printer. Super Fonts for your Cannon Bubblejet! 1 disk 3.50 +
CLU21 INVOICE MASTER Sort out your invoices! 1 disk 3.50. +
CLU22 HARD DRIVE MENU Superb hard drive utility! 1 disk 3.50.+

GAMES

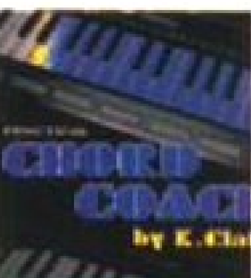
CLG05 TRUCKIN ON Truck management simulation 2 disks 4.50 +
CLG06 OBLITERATION Super blast em up! (NOT DOS 2) 1 disk 3.50
CLG08 DRAGON TILES Superb version very addictive ! 1 disk 3.50 +
CLG09 MOTOR DUEL great 3d car racing game. 1 disk 3.50+
CLG10 FUTURE SHOCK Guide ball through maze! 1 disk 3.50 +
CLG11 ALL GUNS BLAZING 2 player , overhead view. 1 disk 3.50 +
CLG12 BULLDOZER BOB Clear screen of blocks! 1 disk 3.50 +
CLG13 PARADOX Another good puzzle game! 1 disk 3.50+
CLG14 SONIC SMARTIEHEAD Crazy platform game! 1 disk 3.50.+
CLG15 SPLODGE THE ESCAPE puzzle platformer 1 disk 3.50+
CLG17 IMBRIUM Exellent graphic adventure! 1 disk 3.50+
CLG18 SKAN 29 Guide Sid through 220 levels! 1 disk 3.50. +
CLG19 STELLAR ESCAPE Vertical shoot em up! 3 disks 4.99. +
CLG20 JUNGLE BUNGLE Nice adventure game! 1 disk 3.50. +
CLG21 FLOWER POWER Gro before the bugs eat them! 1 disk 3.50+
CLG22 STOCKING FILLERS Seasonal Xmas games! 1 disk 3.50. +
CLG23 MARVIN THE MARTIAN A maze type game, 1 disk 3.50.+
CLG24 EASY MONEY fruit machine simulator! (Not dos 2 or 3) 3.50.
CLG25 WHITE RABBITS This is a good puzzle game! 1 disk 3.50 +
CLG26 MONSTER ISLAND Dungeon Master game! 1 disk 3.50.+
CLG28 TIME RIFT Game played over 4 time zones! 1 disk 3.50.+
CLG29 BILLY BALL Good 3d isometric game! 1 disk 3.50.+
CLG30 CAPTAIN K Nice platform game! 1 disk 3.50.+
CLG31 DIRTY RACKETS 3 tennis games on here! 1 disk 3.50.+





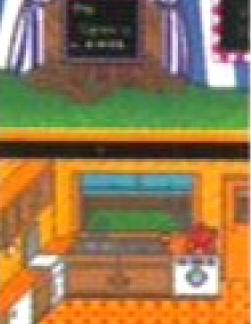
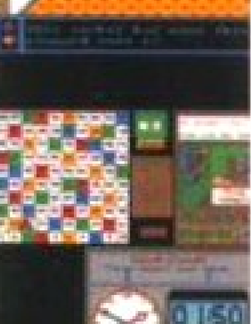
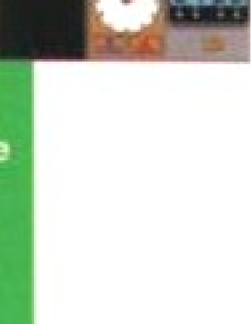
CLE035 TOTAL CONCEPTS SOLAR SYSTEM II In this sequel to our most popular title, Chris Hill brings you the very latest on the Solar System! All the very latest planetary missions are covered & if you thought the images in TC! Solar System were good wait until you see these 40+ images! This is a must if you have TC! Solar System. Supplied on 3 disks only 4.99.+



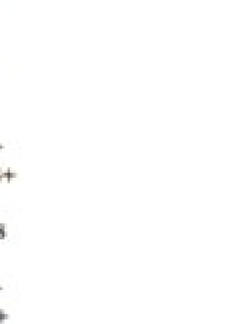
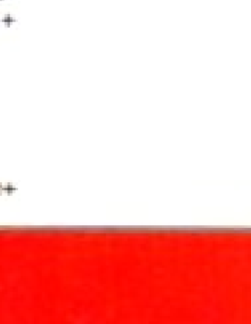









CLASSIC LITERATURE!

Super books on a disk, all you need for English Literature revision! (ok 500+,600, 1200)

SHAKESPEARE!

LIT1 Midsummer nights dream, Macbeth, Julius Caeser,Anthony & Cleopatra.
LIT 2 As you like it, Lovers complaint, Cymbeline, Hamlet.
LIT 3 Romeo & Juliet, Passionate pilgrim,Phoenix & Turtle,Sonnets, Coriolanus.
LIT 4 Twelth night, Venus & Adonis, Troilus & Cressida, Love labours lost.
LIT 5 Two Gentlemen of Verona,A Winters tale,Rape of Lucrece,Perecles.
LIT 6 Othello,Much ado about nothing, Measure for measure.
LIT 7 Henry the Sixth (Parts 1, 2, & 3)
LIT 8 Henry the Fourth (Parts 1 & 2) Henry the Fifth.
LIT 9 Richard the Second, Richard the Third.
LIT10 Henry the Eighth, King John, King Lear.
LIT11 The Taming of the Shrew,The Tempest,Timon of Athens,Titus Andronicus
LIT12 Alls well,Comedy of errors,Merchant of Venice,Merry wives of Windsor.
LIT13 WORKS OF MILTON 1 Paradise Lost.
LIT14 WORKS OF MILTON 2 Poems, Sonnets etc.
LIT15 WORKS OF HOMER The Illiad (2 disks)
LIT16 WORKS OF HOMER The Odyssey.
LIT17 MARK TWAIN Tom Sawyer
LIT18 MARK TWAIN The Prince & the Pauper.
LIT19 LEWIS CARROLL Alice in Wonderland & Alice Through the looking glass.

WEIRD SCIENCE:
Superb 256 colour hires pictures! 1200 only!
order nos: WSAGA1 - 5
WEIRD SCIENCE SUPER HAM:
Fantastic 262000 colour hires raytraced & digitized pictures, hardly any different to the 24 bit originals, show to PC owning friends and watch them weep!
order nos: SH1-15 .... 15 Super discs!
WSAGA6 JPEG loader!! **This disk contains 7 Jpeg pictures which unpack in ram to display as Superham 8 on a 1200/4000 machine!! Brilliant!**
CYNOSTIC SLIDESHOW V1.1 Fab AGA pics!!
KEITH RHODES PICS Brilliant fantasy AGApics !
JPEG 24 BIT PICS!
An amazing 12 disks full of brilliant 24 bit pics by Michel Rigo! Remember you need tons of memory & some form of 24 bit display to view, or convert to superham! JP1-12.

NEW!!
ASSASSINS FIX DISK!
This disk is a must for all you 1200 owners out there & is also very useful for A500+ & 600 owners. Contains Relocator,Fakememory & several other very useful programs which will help you get the maximum amount of old software working on your machine! This disk comes with instructions to help you get the most from your computer!
Ask for disk number
PU351

AMIGA CD ROM COMPACT DISCS!

Superb CD roms for your CDTV or A570 add on drive!

CDPD 1 Features Fred Fish 1-660 , hundreds of music modules, & much much more!
19.95

CDTV DEMO DISK Over 600 megabytes of demos, samples, games, clipart, animations & 1000 modules to play!
19.95

CDPD 2 This CD contains Fred Fish 661-760, the Scope library 1-220, The AB20 archives & much more!
19.95

Please add 50p per CD for P&P.

Pocket Power Only £2.99 each!
We have compiled a selection of the BEST PP titles !

POW001 FOOTBALL MANAGER Football sim
POW002 MOUSETRAP Cutesey platform fun
POW003 QUANTOX+ Fair shootemup
POW004 BATTLEVALLEY Strategy shootemup
POW005 JUMPJET+ Simple Flight Sim
POW006 SLAYER Good mindles blast
POW007 STEEL Explore&Blast Good Gfx
POW008 ARGIPELIGOS Classic Puzzle game
POW009 BAD COMPANY Great spacehamer Clone
POW010 EYE OF HORRIS Platform game
POW011 PROSPECTOR Tricky Maze game
POW012 STARBLAZE+ Star wars type game
POW013STARGOOSE+ Exellent ShootEmUp
POW014 STAR RAY Defender clone - Get it !
POW015 CHICAGO 90 Isometric 3D car chase
POW016 DEMOLITION Average Breakout game
POW017 DOGS OF WAR+ IkariWarriors type - good!
POW018 HATE+ Isometric 3D ShootEmUp - Great!
POW019 BATTLESHIPS 1-2 Player Classic
POW020 MANHATTAN DEALERS+ Great BeatEmUp game

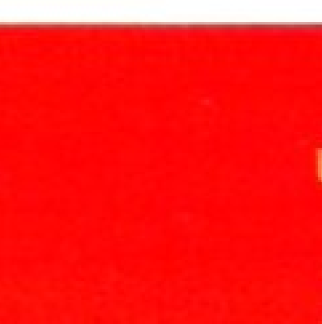
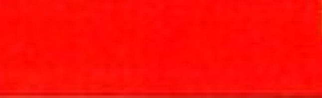
THESE GAMES ARE WELL WORTH CHECKING OUT !!!!

NEW! COLOURED CLIPART! NEW!

This is a superb collection of coloured clipart, mostly in Ham mode (4096 colours), though some is in 16 colours. Can be loaded into Deluxe Paint 4 or any other package accepting Ham pictures!
(OK on 500, 500+, 600, 1200 & 4000!)

CCL001 MAPS, Alganistan - Botswana, autoboots! + Y
CCL002 MAPS, Brazil - Checkoslovakia, autoboots! +Y
CCL003 MAPS, Denmark - Grenada , hires maps! +Y
CCL004 MAPS, Guadel - Illinois, hires maps! +Y
CCL005 MAPS, India - Luxembourg, hire maps! +Y
CCL006 MAPS, Macau - Missisipi, autoboots! +Y
CCL007 MAPS, Montana - New York, hires maps! +Y
CCL008 MAPS, Neutral Zone - Iraq - S Dakota! +Y
CCL009 MAPS, Senegal - Tuuaw, autoboots! +Y
CCL010 MAPS, Texas - Zimbabwe, autoboots! +Y
CCL011 REPTILES, good pictures, autoboots! +Y
CCL012/3 ACTORS, famous faces, autoboots! +Y(2)
CCL015 AIRCRAFT, 1-26, assorted, autoboots! +Y
CCL016 AIRCRAFT, 27-32 & Cars! autoboots! +Y
CCL018 BIRDS, 1-12 Super pictures, autoboots! +Y
CCL019 BIRDS, 13-29 More avian pictures! +Y
CCL020 BIRDS, 30-41 Lots more birds,autoboots! +Y
CCL021 BIRDS, Many more bird pics, autoboots! +Y
CCL022 BIRDS, And some more fab pictures! +Y
CCL023 BIRDS, 116-130 Some good pictures! +Y
CCL024 BIRDS, 131-138 More bird pictures! +Y
CCL026 BIRDS, More superb pictures here! +Y
CCL027 CATS, 1-16 Super cat pics,autoboots! +Y
CCL028/35 DOGS, 1-126 Super dog pics,8 disks! +Y
CCL036 EXPLORERS 1-13 famous explorers,autoboots+y
CCL037/40 FISH 1-92 Super pics pictures,(4 disks)+y
CCL041 FlOWERS 1-13 Flower pictures,autoboots!+y
CCL042 FlOWERS 14-25 More flower pics,autoboots!+y
CCL043 FlOWERS 26-37 More flower pics,autoboots!+y
CCL044 FlOWERS 38-50 More flower pics,workbench+y
CCL045 FlOWERS 51-62 More flower pics,autoboots!+y
CCL046 FLOWERS 63-74 More flower pics,autoboots!+y
CCL047 FLOWERS 75-87 More flower pics,autoboots!+y
CCL048 FLOWERS 88-100 More flower pics,autoboots+y
CCL049 FLOWERS 101-113 More flower pics,autoboots+y



CCL050 FLOWERS 114-127 More flower pics,autoboots+y
CCL051 FLOWERS 128-138, FRUIT 1-4 pics autoboots+y
CCL052 FRUIT 5-18, Good pictures! autoboots! +Y
CCL054 FRUIT, More fruit & leaves etc!,autoboots+Y
CCL055 FRONTIER 1-13 Pioneer pictures,autoboots
CCL056 HORSES 1-16 Great horse pics,autoboots! +Y
CCL057 HORSES 17-22, Insects 1-9, autoboots! +Y
CCL058 INSECTS 11-23 Small creatures! +Y
CCL059 INSECTS 24-41 More pics! autoboots! +Y
CCL060 INSECTS 42-59 More insects! autoboots! +Y
CCL061 INSECTS 60-63, Inventors 1-11 autoboots! +Y
CCL062 INVENTORS 12-24 More inventors autoboots! +Y
CCL063 INVENTORS 25-30, MAMMALS 1-10! autoboots! +Y
CCL064 MAMMALS 11-26 More animals pictures! +Y
CCL065 MAMMALS 27-46 and more animals! +Y
CCL066 MAMMALS 45-65 more mammals,autoboots! +Y
CCL067 MAMMALS 66-82 and some more! autoboots! +Y
CCL068 MAMMALS 83-102 and many more autoboots+Y
CCL069 MAMMALS 103-119 mamy more! autoboots! +Y
CCL070 MAMMALS 121-141 superb pictures! autoboots +Y
CCL071 MAMMALS 142-158, & INSTRUMENTS 1-4! +Y
CCL072 INSTRUMENTS 4-25 Musical! autoboots +Y
CCL073 INSTRUMENTS 26-36, MILITARY 1-6 autoboots +Y
CCL074 MILITARY 7-17,& MUSICIANS 1-4! +Y
CCL075 MUSICIANS 9 -21 Classical! autoboots! +Y
CCL076 PREHISTORIC 2-19 Dinosaurs! autoboots! +Y
CCL077 PREHISTORIC 20-25, PEOPLE 1-8 autoboots! +Y
CCL078/80 PEOPLE 9-50 Lots of people! (3 disks)+Y
CCL081 PEOPLE & Presidents, good pictures! +Y
CCL082/4 PRESIDENTS 1-40 USA presidents,3 disks +Y
CCL085 REPTILES 1-19 Good pictures autoboots! +Y
CCL086 REPTILES 19-38 More reptiles! autoboots! +Y
CCL087 REPTILES 39-50, Ships 1-9,autoboots! +Y
CCL088 SHIPS 10-33 Marine vessels! +Y
CCL089 SPORTSMEN, Various sportsmen,autoboots! +Y
CCL091 TREES, Lots of tree pictures! autoboots! +Y
CCL092 TREES, Lots more tree pics! autoboots! +Y
CCL093 TREES, And some more trees! +Y
CCL094 TREES 57-70 trees lots of tress,autoboots!+y
CCL095 TREES 71-84 more tree pictures, autoboots!+y
CCL096 TREES 85-100 even more trees,workbench!+y
CCL097/100 VEGETABLES 1-48 good pics 4 disks,workbench+y

CLASSIC CLIPART *(Black & White)*

(Okay on A1200 / A4000.)

The clipart in this collection is very high quality, huge bitmaps, many greater than an Amiga hires screen, for use in Dpaint or DTP packages, each disk autoboots as a slideshow allowing you to view the entire bitmap by moving the mouse! (Prices per disk!)

ART01 WEDDINGS Super wedding clipart, 2 disks!+
ART02 HOUSES 2 disks, pictures of mansions etc!+
ART03 RELIGIOUS 3 disks full of holy clipart!+
ART04 WWII AIRCRAFT World war II planes!+
ART05 MEN 2 disks full of men at work!+
ART06 WOMEN 2 disks full of women clips!+
ART07 KIDS 2 disks containing kids clipart!+
ART08 BUSINESS Disk full of office clipart!+
ART09 OFFICE Another office type disk!+
ART10 STUDENTS Lots of student type pics!+
ART11 SALETIME Many useful logos etc!+
ART12 XMAS 3 disks of Xmas related pics!+
ART13 PUNCH 3 disks of cartoon pics! +
ART14 ANIMALS Fantastic quality pictures!+
ART15 CATS Only 12 pics but super quality!+
ART16 SILHOUETTES 18 super silhouettes!+
ART17 SCHOOLS 2 disks of school pictures!+
ART18 BABIES Clipart on a baby theme!+
ART19 SPORT 2 disks full of sport pictures!+
ART20 OLYMPIC Another sport type disk!+
ART21 MEDICAL 2 disks full of medical clipart!+
ART22 SEALIFE Pictures from the Ocean!+
ART23 DECORATIVE MONTHS 1 for every month+
ART24 WACKY Funny comic type clipart!+
ART25 HOLIDAYS Holiday type pictures!+
ART26 BANNERS 2 disks full of banners!+
ART27 ART NOUVEAU FLOWERS Floral art!+
ART28 BUTTERFLIES Nice pictures!+
ART29 FOOD 2 disks on a food/kitchen theme!+
ART30 COLOURING BOOK Colour in Dpaint!+
ART31 BORDERS 2 disks, must load into DTP!+
ART32 MAC CLIP 2 disks high quality macart!+
ART33 HORNBACK Nice scenic clipart!+
ART34 TEDDY BEARS 2 disks of Teddy bears!+
ART35 VANITY FARE 2 disks fashion clipart!+
ART36 HALLOWEEN CLIPART Wierd clipart!+
ART37 SHOWTIME Dancing, singing etc!+
ART38 VEGGIES Vegetarian clipart!+
ART39 FLORAL 14 very detailed pictures!+
ART40 MYTHS Mythical images + zodiac!+
ART41 DOG WOODCUTS Super 300dpi pics!+
ART42 CAT WOODCUTS Great wildcat pics!+
ART43 AFRICAN WOODCUTS African animals!+
ART44 AMERICAN WOODCUTS More animals!+
ART45 ARTIC WOODCUTS Northern animals!+
ART46 FARM WOODCUTS Farm animals!+
ART47 MIXED ANIMAL WOODCUTS Nice pics!+
ART48 BIRDS WOODCUTS 18th century bird pics+
ART49 MORE ANIMALS More superb pictures!+
ART50 ANIMAL LINEART Varied selection of pics
ART51 BOTANICAL ART detailed plant pics!+
ART52 FAMILY SCENES 2 disks of domestic life!+
ART53 GOLF HUMOUR 2 amusing cartoon disks!+
ART54 SPACE & TRANSPORT On a space theme!+
ART55 SOFTSCENE2 29 rural scenery pictures!+
ART56 SPORTS3 More pics on a sports theme!+
ART57 NAVY Lots of naval type pictures!+
ART58 TRAVEL 2 disks on a travel theme!+
ART59 ALPHABET Borders & alphabet clips!+(2)
ART60 ACCENTS & FLASHES Burst stars+ more+

PROGRAMMERS : Have you written a good program, ie a utility, educational program or a game? Why not send it in for evaluation? If its really good, then you too could be earning money!!!

NBS
U/F18, 1CHAIN LANE NEWPORT
I.W. PO30 5QA
TEL: 0983 529 594
FAX:0983 821 599

VALLY PD
U/F18, PO BOX 15, PETERLEE
CO. DURHAM SR8 1NZ
TEL:091 587 1195
FAX:091 587 1195

BLITTERCHIPS
U/F18, CLIFFE HOUSE, PRIMROSE STREET ,KEIGHLEY, BD21 4NB.
TEL: 0535 667 469
FAX: 0535 667 469

THAT BIT BETTER THAN THE REST



WE STOCK THE LOT
FISH TO 840!
AMOS DISKS!
TBAG DISKS!
NZ DISKS!
AMICUS!
AMIGAN!
ALL CLR TITLES

FOR THE BEST IN QUALITY AMIGA PUBLIC DOMAIN, NO-ONE ELSE COMES CLOSE!

DEALERS WANTED!
IF YOU RUN A PD OUTLET OVERSEAS AND WOULD LIKE TO DISTRIBUTE 17 BIT DISKS, CALL US OR FAX US NOW FOR DETAILS!!

FAST SAME DAY SERVICE, HELPFUL SALES STAFF, ESTABLISHED FOR OVER 5 YEARS
40,000 MEMBERS THROUGHOUT THE WORLD, WELL OVER 4000 TITLES IN STOCK !

HOW TO ORDER

BY PHONE
(0924) 366982
Access/ Visa /Delta & Switch

BY FAX
(0924) 200943
Please Leave Order & Credit Card Details.

BY POST
PLEASE MAKE CHEQUES PAYABLE TO:-
17 BIT SOFTWARE
1ST FLOOR OFFICES
2/8 MARKET STREET
WAKEFIELD
WEST YORKSHIRE
WF1 1DH

OFFICE HOURS
MON-THURS 9.00 TO 8.00
FRI & SAT 9.00 TO 5.30
WE ARE OPEN TO PERSONAL CALLERS FROM 9.00 TO 5.30

DISK PRICES
17 BIT, FISH ETC................£1.25
SCHEME 17........................£2.00
AM/FM MAG........................£2.50
AM/FM SAMPLES................£2.50
CLR SINGLE TITLE £3.50
CLR 2 DISK SET..................£4.50
CLR 3 DISK SET..................£4.99
CAT DISKS............................50P

POSTAGE RATES
UK PD ORDERS 50P
OVERSEAS ORDERS.............20%
(MIN OVERSEAS P&P ....£1.00)
PLEASE ADD 75P P&P FOR COMMERCIAL GAMES, DISK BOXES ETC.

BUY 10 DISKS AND GET 1 EXTRA DISK FREE !
BUY 20 DISKS AND GET 3 EXTRA DISKS FREE !

PLEASE NOTE ... (AB) AFTER A DISK NUMBER MEANS 2 DISKS ETC. PLEASE STATE WHEN ORDERING.

THIS MONTHS HOT NEW ENTRIES

+2588 Wibble World Giddy............Superb Platform Game!!
+2584 Slamball.....................Futuristic Team Management
+2580 Elevation II....................Great Sequel to disk 2328
+2582 Tankhunter.................2 Player Tank V Tank Action!
+2579 (AB) Spectrum Emulator V1.6 .....A1200 Compatible!
+2572 Amos Loadsa Money............Brill Fruit Machine Sim!
+2568 Games Galore 15..........The latest Mega games comp!
+2567 Games Galore 14 ....More great games!
+2564 Bop and Plop...........Cutesy type scrolling shootem up!
+2562 Amos Games Collection............Glassback, Snakebite
+2550 Egg Blasters Game ....Humm, Blast Eggs??
+2547 System Defender Game..............Souped up Oblivion!
+2539 Alien Hash........................Alien Breed On A Budget!
+2499 Fruit Salad........................Excellent Platform Capers!
+2523 Maths Adventure..................Solve puzzle to progress!
+2521 MicroMarket 1.1.................Good stockmarket game!
+2589 Octamed V2.0 ....The Complete Version!
+2585 Astronomy V2.0........Data Generation and Graphics
+2578 The Designer...........Create maps and backgrounds!
+2576 The Engineers Kit..........Packed with System Software
+2574 XI Pro Utils.........inc.Powerpacker, Degrader + others
+2566 RJ Utilities ....inc.PerfectPaint, Image Workshop
+2563 Inventory II ....Keep track of stock, wages etc
+2553 BootX 5.23...................Latest and Last Version (Sob)
+2548 HP 550C Driver..............................And About Time!
+2534 DiskManager III ....Great Directory Util!
+2532 Utility Disk Maker ....Create Your Own Disks!
+2524 Printer Drivers ....Over 100 to choose from!
+2519 Jr Comm...............................Good Comms software!
X2581 Nightbreed AGA Slides....................Great 1200 Pics!
X2580 Nightbreed AGA Slides ....More 1200 pics!
X2577 Cynostic AGA Slides ....Yup you guessed!
+2575 (AB) Snow Joke Anim...........2 Meg Charly Cat Jobby.
+2565 Capri Slideshow ....Shouldn't that be Crapri??
X2562 Ham 8 Pics...........More pics for you A1200 Owners!
+2559 (AB) Monty Python Anim.........Grin! is all I will say!
+2557 (AB) Lex Goudsmit Tribute.........Broad Minded only!
+2554 Beach Anim......Another single screen Carl Inc Anim
2545 CryptoBurners Slides.........Miss this one at your peril!
2544 Misery ....TRSI do it again!
+2543 (AB) Kefrens Desert Dreams ....Very nice demo!
+2540 (AB) Revenge of the Blob.................Nice animation!
2538 Mandlebrot Mania ....Animated Slideshow!
X2530 Team Hoi Planer Groove .....1st ever 1200 only demo
2528 (AB) Lemmings Revenge...............Great 2 Meg Anim!
2527 Desert Do Doo ....An icecream van in a desert??
2526 Duncan Dung Beatle...........All about a bit of Dung!!
2525 (AD) Charly Cat...............Out in Public 2 Meg Anim!
+2590 ChequeBook & Tutors..........Great Languages Tutor!!
+2587 Compugraphic Fonts #2 ....Loads of fonts
+2586 Compugraphic Fonts #1 ....Even More Fonts!
+2573 XI Rave Samples.....................Use with Protracker etc
+2571 (AB) American Football....Info on the Game & Rules!
+2570 Flute Concertos ....1.5 Meg Chip Ram Required!
+2569 (AB) Horn Concertos............1.5 Meg Chip Required!
+2556 Amy PD Review ....Nice Mag for PD Beginners
+2555 Naval Clipart.............Ships N Stuff, Not Bellybuttons!
+2549 Classics Gold...................WB 2 & 3 only, Rob Baxter!
+2546 Russian Fonts ....Here Comradskis Some Fontskis!
+2542 Freedom Crack #11 Mag...............Music, Articles etc.
+2537 Nostromo Cheats & Solves ....Grin!
+2533 Stirling Engine..........Education on engine internals!
+2522 Tronicad ....Circuit Board Designer

THE 17 BIT COLLECTION!

2 CD's stuffed to the brim with over 1700 17 bit disks! Whether you want a Game, Demo, Music Disk, Sound Sample, Accounts Package or Word Processor - you'll find all these and more in the collection. Only around 5% of the titles contained on these CD's have been previously released on other CDPD collections ! Awarded 96% in the One Magazine & 95% in the CDTV User Group Magazine, the 17 Bit collection is a must for any CD user. All this for the stupendous price of only £39.95 + £1.00 P&P

UGA'S NEWSFLASH

Each issue contains by far the most impressive selection of professional utilities, unique musical scores and general Amiga articles and information contained on disk. Each issue comes on 3 disks (3rd disk optional) for only £6.95 or £4.95 (2 disks)

AM/FM

Volume 12 just in! Only £2.50 or £5.00 with samples disk. Also available:- AM/FM SPECIALS NOs 1,2,3,4 and 5 Containing nothing but pure Midi Data Files. Each special disk is just £2.50

OTHER MAGS!

Grapevine 15 now available (2 disks) Only £4.00 inc P&P

★ ★ ★

Final Frontier Disk mag. 4 disk issue (No.4) £6.95

AUDIO CD'S

Alister Brimble Presents "Sounds Digital" 72 minute long audio CD which includes Soundtracks from Team 17 Smashes Project X & Assassin - many other original pieces. Get your copy now for Only £10.99 + 75p P&P

CDTV DISKS

Still Available:- Demo CD £19.99 600Mb of Classic PD, Demos, Cliparts & Mods. CDPD Volume 1 £19.99 Contains Fish to 650! CDPD Volume II £19.99 Contains F651 to F750+ Scope & Jam Disks! Please inc 75p for P&P

THE VIDEO

Tobias J Richter "Space Wars" Last production run, so buy it now or regret it forever more! 24 Bit Dynamic Hi-Res 150MB Animation Supplied on high grade VHS. Only £11.99 while stocks last only!!

AUDIOS CD'S

HoBBitS & spACEsHipS Last remaining stocks of Bjorn Lynne's stunning Audio CD are available for £12.99 +75p P&P. Recorded and created on professional synth equipment for top quality sound reproduction.

ASSASSINS!

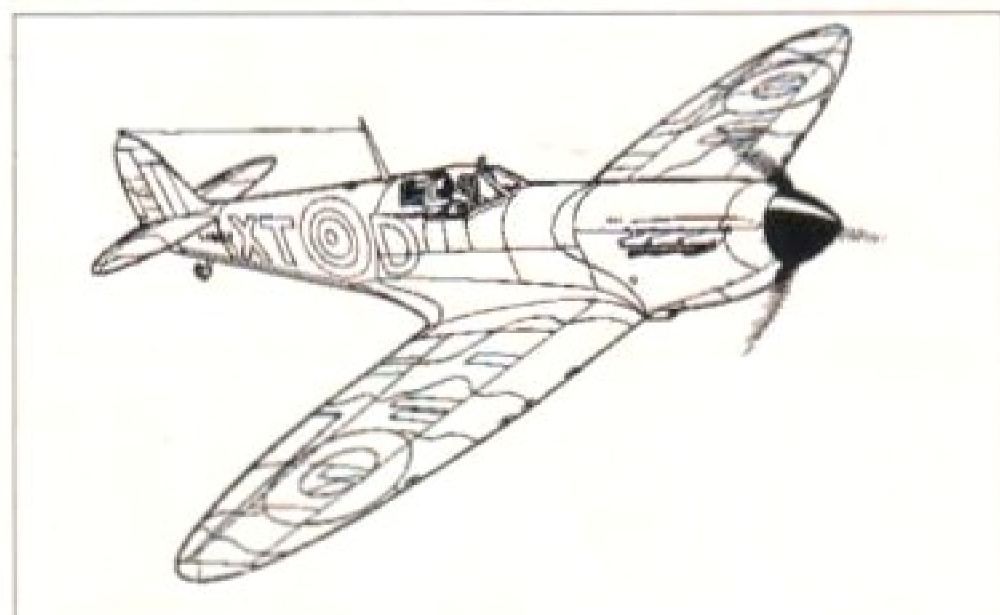
We stock all Assassins games disks from 1 to 73! Each disk is crammed with the best PD games available. Choose:- Any 20 ASI disk for £10 Any 40 ASI disks for £38 Any 60 ASI disks for £56 Or take the lot for £64! P&P inclusive. WOW!

We also stock boatloads of instrument disks, font disks and clipart galore! Not to mention accessories such as Mice, Dust Covers, Mouse Mats & Disk Boxes etc! All at very keen prices! We also stock most new full price software releases at over 20% discount!

PD Update

Nine out of ten Amigas said their owners preferred cheap or free software. **Richard Baguley** checks out the meaty chunks amid the gravy sodden world of Public Domain games and utilities.

WWII PLANES — CLIP ART
DTgraPhics

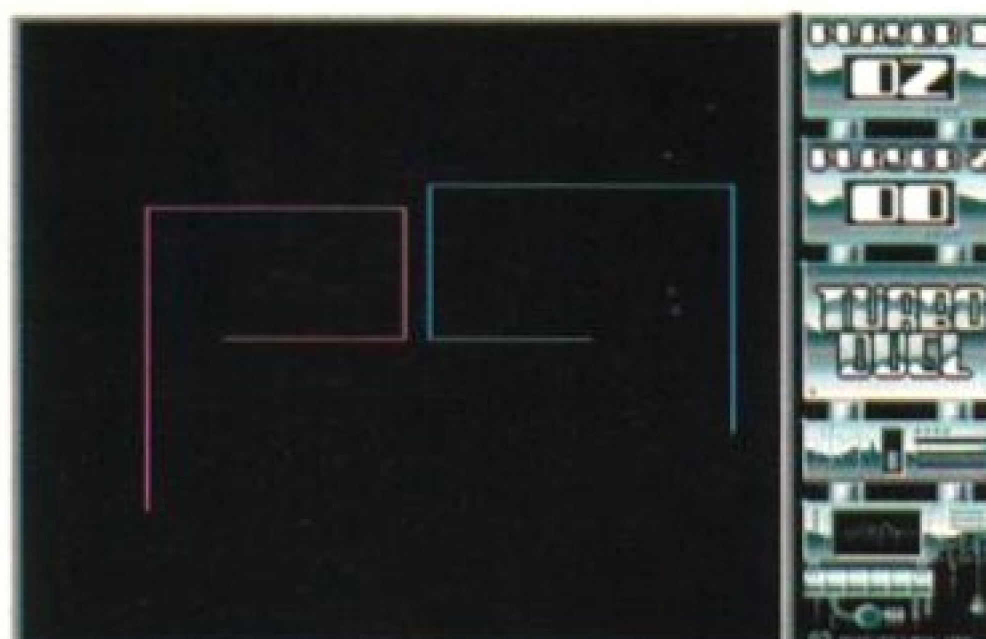


If WWII planes are your thing, this disk of clip art could be useful. This is that Battle of Britain winner, a Spitfire.

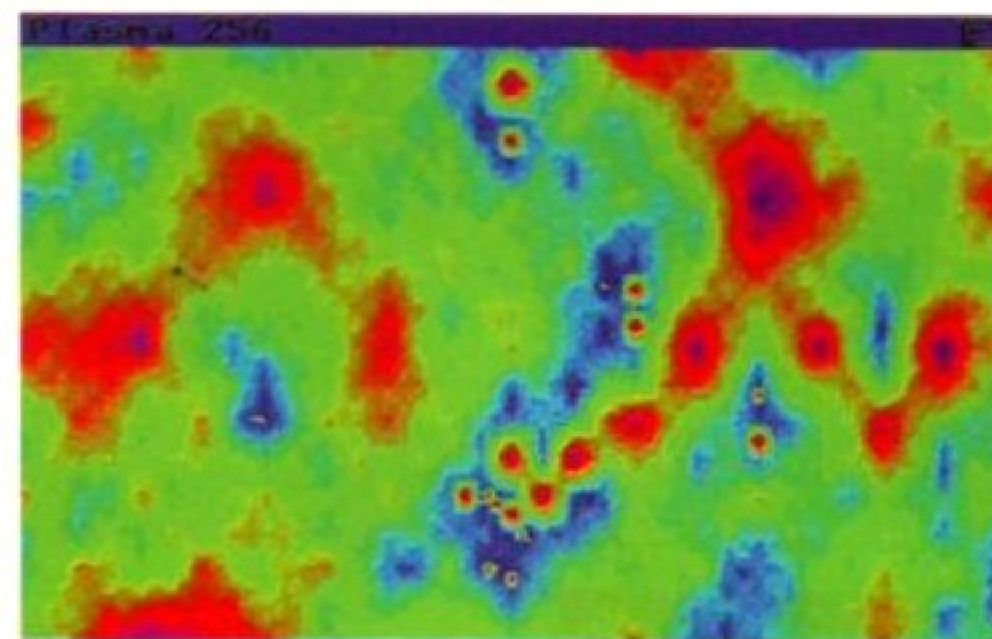
Clip art is extremely useful for making your documents look more impressive, as long as it's relevant. So, if you're working on something to do with World War II planes, this could be useful. It contains 25 illustrations of, surprise surprise, World War II aircraft. All are high resolution, two colour screens, so there should be no problem printing them. This is only one of 60 disks on various topics such as sport and frame borders. They have all obviously been digitised from various sources, but they all seem to be of high quality, and would print out well from most DTP or word processing programs.

TRONS — GAME
HIGHLAND PD

If you needed any evidence that films influence computer games, this disk is a good place to start. It's a compilation of five games based around the 'light cycles' sequence in the film *Tron*, where you manoeuvre a bike around a playing area leaving a trail behind you. If you or your opponent crashes into this, it's Game Over. All of the games on this disk are based around the same idea, although some add other factors like obstacles on the playing area, or options for up to six players. All of the games are pretty good, but there are a few that really do stand out from the crowd.



Tricky tactics need to be employed against the opposition when you're playing *Tron Duel*.



Among various utilities is one to generate plasma effects in 256 colours, which look rather nice...

AGA TOOLS 1 AND 3 UTIL — UTIL
CYNOSTIC U0142
CYNOSTIC U0143

It's about time a collection like this appeared for all those eager new A1200 and A4000/030 owners out there. AGA Tools and 3 Util contains a wide variety of programs and utilities which are useful specifically for these machines. There's a new version of *Rend24* (featured on the subscribers' disk this issue), a datatype for viewing GIF files with multiview and a variety of programmers' utilities for dealing with the new AGA modes. Also included is the newest version of the popular picture viewer *PPShow*, which now supports the new modes.

There's no sign of volume 2, but volume 3 contains several more utilities, including an AGA version of *Clouds*, the popular fractal cloud generator, a HAM-8 JPEG viewer and a 256-colour plasma generator.

Continued overleaf

STOCK CONTROLLER INVOICE MASTER 2 — BUSINESS
ESSEX COMPUTER SYSTEMS

It's good to see some more serious software finally appearing on the Amiga, since this is an area that's been rather lacking over the last few years. We did look at a stock control program in *AF*43, and now a couple more are available as Licenceware. This means that they do cost slightly more than normal PD programs (£3.50), but part of this does go straight to the programmer, which encourages him to support this and write further versions fo the software. Both programs share the same colourful, easy-to-use interface, and are suitable for small businesses. I don't think you'd be able to run a multinational using these programs though. *Invoice Master* produces good, professional documents and keeps these on file for future reference, while the stock control program provides a good interface.

***Stock Control* contains all of the usual stuff you'd expect on such a program, with user definable re-order levels, preferred suppliers and comments for each product.**

Preparing professional looking invoices is extremely easy with *Invoice Master 2*, and it's ideal for the small business.

***Stock Controller* is a reasonably basic program, but it could be very useful in a small business to aid with monitoring and ordering supplies of goods.**

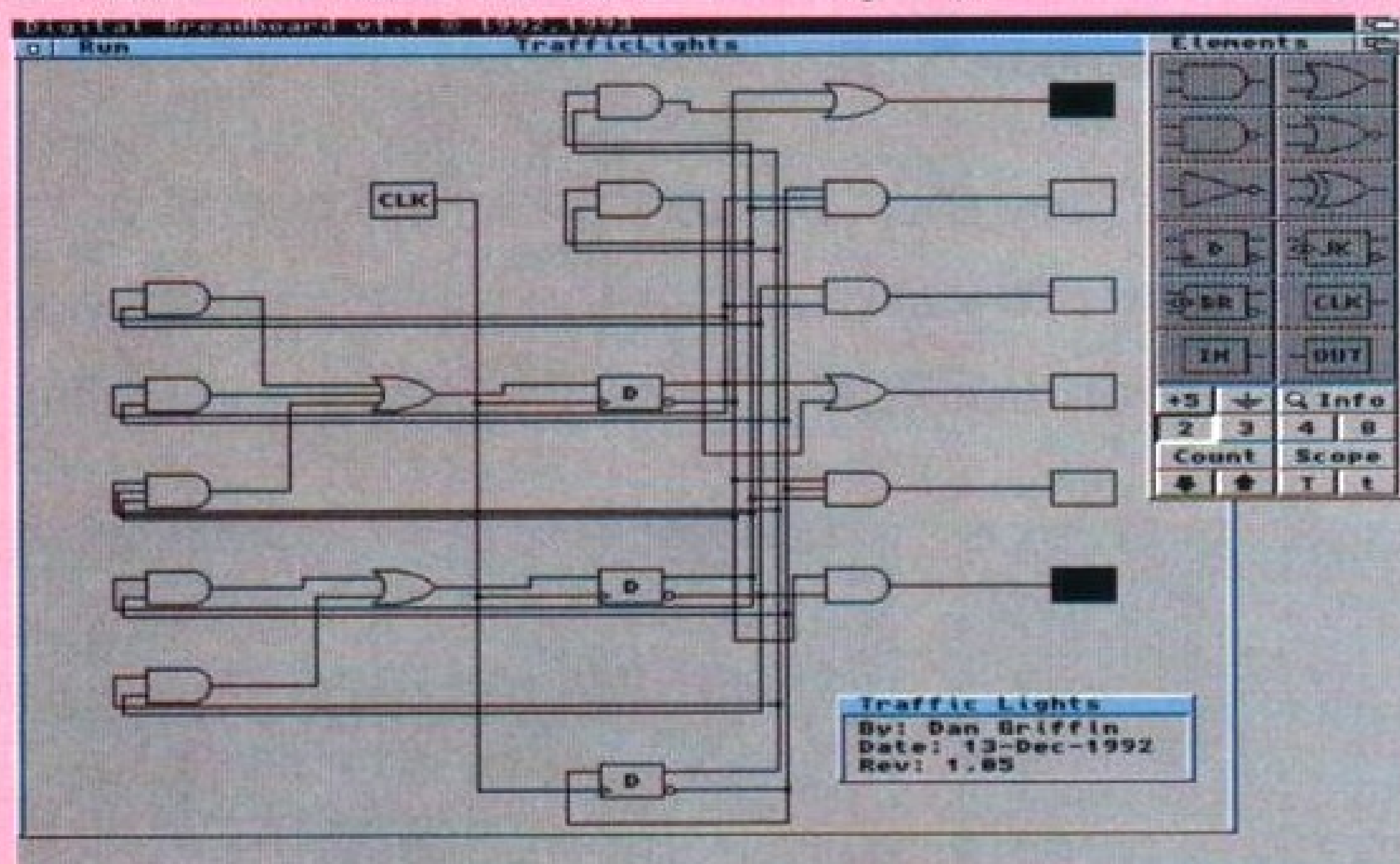
DIGITAL BREAD BOARD

UTIL

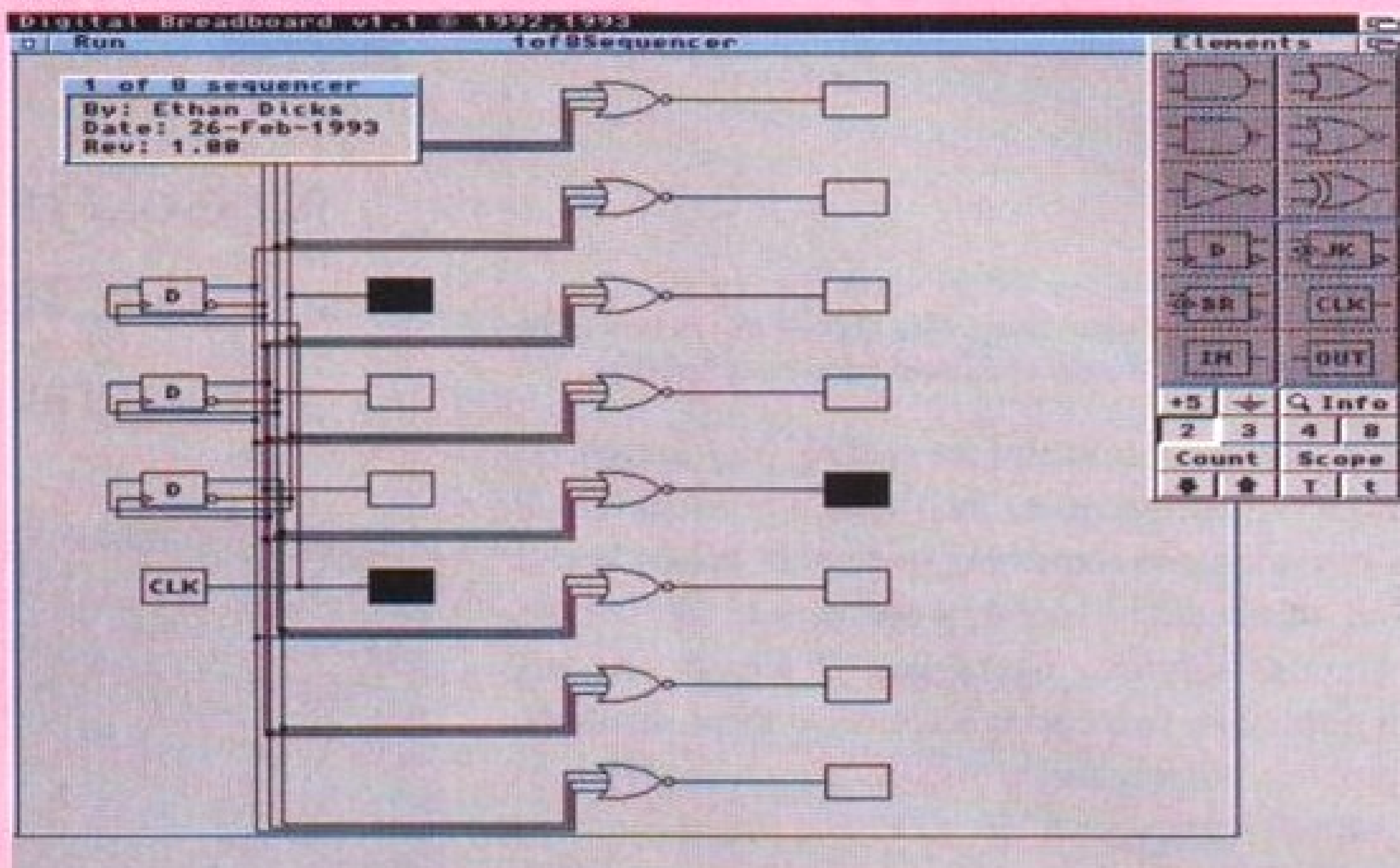
FRED FISK DISK 844

Designing logic circuits can be a pain. All those NOT, AND and NOR gates can get rather confusing, and predicting the behaviour of circuits is a complete pain, involving a large amount of matrix mathematics, a degree in higher mathematics and a lot of patience. Programs do exist which will simulate the behaviour of a circuit for you, but they aren't particularly friendly, mostly being text based. This makes full use of the Amiga's point-and-click interface, meaning that to build a circuit takes only a few mouse clicks to place the various types of logic gates, and a few more to connect them together in the correct fashion.

Once you've built your circuit, you can try running it to see exactly how it behaves. The state of each of the logic gates is shown, so you can trace the clock pulses through the circuit. This is invaluable if you want to pinpoint precisely a problem in a circuit. If you are interested or involved in electronic design, then this program could be extremely useful. If you're not, you'll probably be bored silly.



This is a circuit on which most traffic lights are based, believe it or not. Programs like Digital Bread Board make designing these things much easier.

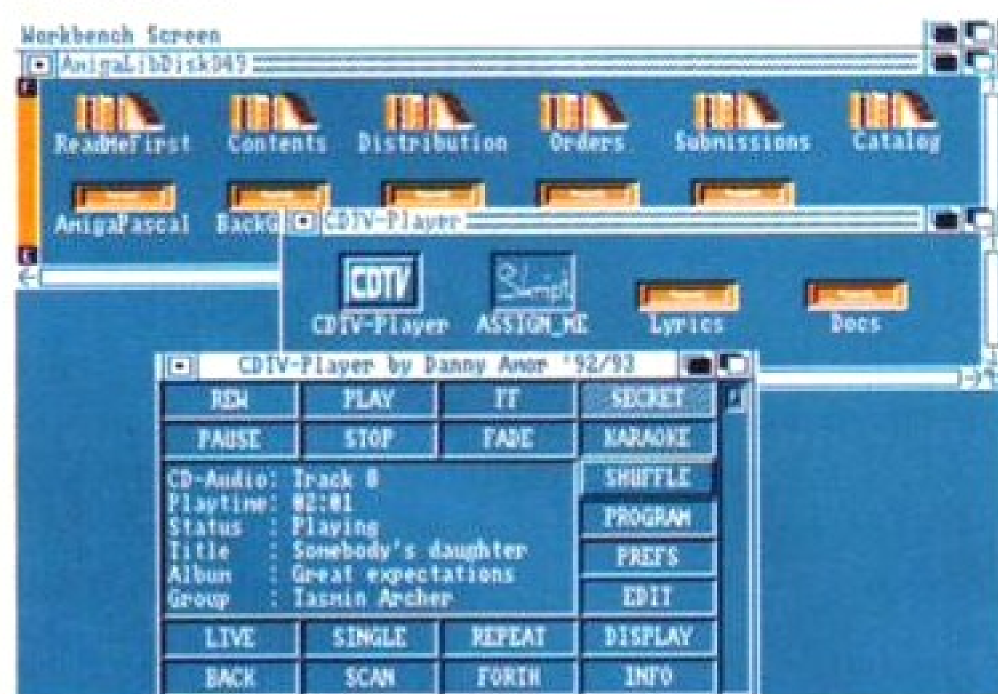


Ah, the old one of eight logic sequencer. Although this program can only cope with 100 logic gates, this is quite enough to build some pretty complex circuits.

FRED FISH 849

UTIL

PDSOFT



Your chance to sing along with Tasmin Archer in your own home. All together now: 'I blame you for the moonlit... '

Despite rumours to the contrary, Fred Fish is still going strong. He's an American who compiles sets of disks containing the best Amiga PD and shareware available. Fred's been going strong for several years, but recently people haven't been obtaining disks direct from him, and he's considering giving up, which would be a shame.

This disk has several excellent programs, including an Amiga Pascal compiler, a Workbench backgammon program, a multitasking audio CD player program for the CDTV and A570 which allows you to play a CD and use the Amiga at the same time (not forgetting the karaoke functions), a maths graph plotting program and a real-time reflection mapper which includes full source code. If you want disks direct from Fred, it'll cost you $4 per disk, but you will be getting some of the best Amiga PD in the world mailed directly to you.

FAKEFAST MEM

GAME

CYNOSTIC U0141

Having 2Mb of chip memory on your Amiga is all very well, but sometimes it can be pain. If you're using a program that needs fast memory and you haven't expanded your A1200's memory, you have a problem.

Fortunately, an anonymous PD writer has a solution, in the form of a small program which reboots the machine and restricts it to 512K of chip memory. With *FakeFast Mem*, you can keep the benefits of the AGA chip set and you can also have fast memory on an A1200, or increase the amount of fast memory you have on an A3000.

AM/FM SAMPLE DISK

MUSIC

CYNOSTIC S0100

Another in the collection of disks produced by the Disk music magazine *AM/FM*. The disk contains 19 samples, with subjects which are rather, erm, unusual. The sounds have titles such as Scream (female), Scream (male), Eyeballs Being Gouged, Hungry Monster and Strangulation. But it's all done in the best possible taste.

All of the sounds have been sampled with minimal levels of background noise. Unfortunately, they are long, so there are only 19 on the disk. I would have thought a wider selection of shorter samples would have been of more use, but for £2 it's good value.

UCHESS

GAME

CYNOSTIC G0097



Beautiful 256-colour graphics and excellent gameplay... What more could you want? Enough skill to beat *UChess*?

This is an excellent chess program, but unless you've got an AGA machine (an A1200 or A4000) and over 4Mb of RAM, don't even think about it. The graphics are in 256 colours, and are stunning, although it can be a difficult to differentiate between the pieces and the board. The program is based on the old PD chess program *GNUChess*, but it's been rewritten and epitomised for use on the new breed of 32-bit Amigas. Included is a list of textbook openings, which can be added to, since they are saved as a text file. It's one of the fastest and best chess games I've come across, and the excellent graphics give it a really polished feel.

TOP 10 DEMOS OF THE MONTH

These are the 10 most popular demos from the following PD library...

SEASOFT

1.	Kick 1.3	1200
2.	V-Morph	1050
3.	Sid 2	966
4.	Super Pacman 92	1061
5.	Amiga Fox	901
6.	Total War	873
7.	Text Plus 3	921
8.	Octamed Pro V4 Demo	1157
9.	Astro 22	1017
10.	Agatron Star Trek	063

WHERE TO GET THE DISKS IN THIS ISSUE

DTGRAPHICS: 32 North Street, Barming, Maidstone, Kent ME16 9HF.

HIGHLAND PD: 1 Whin Park, Muirtown Inverness IU3 6NQ.

ESSEX COMPUTER SYSTEMS: 118 Middle Crockerford, Basildon, Essex SS16 4JA. 0850 668513

PDSOFT: 1 Bryant Avenue, Southend on Sea Essex SS1 2YD. 0702 466933

FRED FISH: Amiga Library Disks, 1835 East Belmont Drive, Tempe, Arizona 85284, USA.

CYNOSTIC PD: 85 Wyken Croft, Coventry CV2 3AD. 0203 682084



CUT, TICK & POST...CUT, TICK & POST...CUT, TICK & POST



TEL OR FAX HOTLINE (0702) 466933



PD SOFT (AF49) 1 BRYANT AVE, SOUTHEND-ON-SEA, ESSEX, SS1 2YD

EDUCATIONAL DISKS

❑ ^+ V13 PLAY & READ CHALLENGE (2) Education progs for the under 7's
❑ ^+ V546 KIDS PAINT A painting program designed for children. Includes various colours & speech.
❑ ^+ V584 FASTFACTS, Everything you ever needed to know about the solar system. WORLDMAP Produces different sorts of Maps. PLANETS Instant locations
❑ ^+ V776 AMOS LESSON 1 The best Amos Tutorial program. APD151
❑ ^+ V792 KIDS GAMES Includes Geography, Math, Sicence and Word Games. Also contains Wheel of fortune.
❑ ^+ V793 AMIGA BEGINNER You asked for it! A tutorial for the beginner on using your Amiga! Covers CLI & WB.
❑ ^+ V824 ELEMENT v3.0 Nice interactive display of the Periodic Table of Elements.
❑ ^+ V825 WORLD DATA BANK v2.2 Using a database of coordinates of the CIA's, it plot's world map's in cylindrical or spherical projects in degrees of magnification.
❑ ^+ V843 DESERT STORM You can select Map's, and all information surrounding the Desert Storm Attack.
❑ ^+ V849 LANGUAGE TUTOR v1.0 Spanish, French, German & Italian.
❑x V881 SECOND WORLD WAR Excellent Information production.
❑ ^+ V908 DPAINT TUTOR Do you had DPaint, Then learn to use it.
❑x V927 CLI TUTOR Helpfull program to understand how to use CLI/Shell.
❑ ^+ V933 GCSE MATHS Program to help with the GESE maths course
❑ ^+ V940 MATHSADV Simple math problems to solve. REFLEXTEST Tests addition, subtraction & multiplication
❑ ^+ V941 AMIGA FIRST START Help on any subject you want.+ Easy Start
❑ ^+ V944 AMIGAWORLD Contains information about every country on Earth
❑ ^+ V1015 JAPANESE 2 programs to help teach Japanese. Word-a-day & Vocabulary. 1019 words database.

AMIGA BOOKS

❑ AMIGADOS QUICK REFERENCE If you have just got your New Amiga & the manual's to complex then try this £7.99
❑ USING AREXX ON THE AMIGA If you have an Amiga+ Then you can use this as a manual. Includes a disk £26.99
❑ AMIGA C FOR BEGINNERS If you want to learn to program from the basics then this is the book for you £14.99
❑ AMIGA DOS INSIDE & OUT If the CLI & Shell is hard to learn or you need a complete reference. Then this is it £19.99
❑ AMIGA FOR THE BEGINNER Its here the A to Z beginners Guide to the Amiga. If help is required then here it is £12.99

CDTV: CD ROMS

❑ CD1 FRED FISH DISKS The complete collection from disk 1 to 660. £19.99
❑ CD2 FRED FISH DISKS The complete collection from disk 661+ £19.99

VHS VIDEO TAPES

❑ AMIGA PRIMER Get the facts on getting started: SetUp,Workbench, Amiga Dos2.0+, Expansion Shell & CLI. £15.99
❑ STAR WARS ANIMATION Is a 24 bit raytraced video by Tobias Richter. 25 mins long and took 6 weeks to render. £11.99

FULL REGISTERED VERSIONS

❑ !+ COMPLETE A64 PACKAGE v2.0 With interface & Full Comerical software. Transfers disks from your original 64 disk drive. Full version of the program £44.99
❑ ^+ CROSS SITICH Prints out a picture in a pattern for embroidering £16.99
❑ ^+ GS1 FORMULA ONE Is a managment game on the Amiga. £4.99
❑ ^+ GS2 POWERBASE Is a database that should cater for evertones needs. Stores upto 10,000 records. £4.99
❑ ^+> GS3 EARLY LEARNING MATHS Teach young chirldren ages 5-9 with nice large fun school III type graphics £4.99
❑ ^+> GS4 SPELLIE COPTER One of the best educational games on the market. Great graphics £4.99
❑ ^+ FFP10 FLETCHER FONTS A 3 disk pack of 50 - 100 point 16 colour Video Fonts. Includes templates £9 *

ERIC SCHWARTZ

❑ ^+ 1700 ANTI-LEMMINS (2) 2Mb
❑ ^+ 2133 GULF WAR CONFLICT 2Mb
❑ ^+ 2307 AMY AT THE MOVIES II (4)
❑ ^+ 2311 AMY vs WALKER II (2) 3Mb
❑ ^+ 2384 AMY AT THE BEACH (2) 3Mb
❑ ^+ 2477 AMYWALKS
❑ ^+ 2478 UNSPORTING 2Mb
❑ ^+ 2500 THE SKY DRIVE *
❑ ^+ 3064 QUILITY TIME (4) 5Mb
❑ ^+ 3077 BAIT 2Mb

VARIOUS UTILITIES

❑ ^+ V16 AQUARIUM Turns your screen into an eyecatching Fish tank.
❑ ^+ V109 PRINT STUDIO Excellent for printing graphic pictures or text.
❑ !- V215 DISKMASTER v3.2 Copies files from one disk to another.
❑ ^+ V262 DUPLICATION & BACKUP Super Duper,Turbo copy, Sanity copy
❑ ^+ V277 FORTRAN-77 v1.3c Compiler, linker & run time support libs.
❑ ^+ V279 CROSSWORD CREATOR Creates crosswords. UPDATED VERSION.
❑ ^+ V298 NORTHC v1.3 The Complete C language with all files needed (2)
❑ ^+ V301 EYE OF THE BEHOLDER Disk Book with Maps, Strategy & Solution.
❑ ^+ V323 ANALTICALC SPREAD SHEET The best spread sheet. (2)
❑ ^+ V332 PUNT PROGRAM Predict which horse will win the race
❑ ^+ V350 BUSINESS CARD MAKER Design your own Business cards.
❑ ^+ V366 600 BUSINESS LETTERS Over 600 Standard Business letters
❑ ^+ V390 DESK TOP PUBLISHING Extra features,Text & Graphics Editors
❑ ^+ V392 AMICASH BANKIN Best bankin program that I have ever used
❑ ^+ V394 CHEMESTETICS v2.14 Draws molecules using the calotte model.
❑ ^+ V401 WINDOWBENCH v1.0 (2) Workbench 2 replacement / Upgrade for all Workbench v1.3 users.
❑ !- V420 CURSOR BASIC COMPILER Compile any Amiga Basic program
❑ ^+ V424 ANTI-FLICKER Said to stop the flicker in High Res mode during some programs oberations.
❑ ^+ V444 PRINTER DRIVER DISK III Now contains instructions on how to install them. includes over 90
❑ ^+ V479 CHESS & UTILITIES A collection of chess related Puzzles.
❑ !- V484 ADVENTURE SOLUTIONS (2) Solutions for various games.
❑ ^+ V489 AMIBASE PRO v2.0 This is most popular PD Database program
❑ ^+ V490 MESSY SID v2.0 Reads MS-Dos disks, Transfer any text files to & from the PC. So you can do work on an IBM or an Amiga & swap text.
❑ ^+ V523 DICE C COMPILER (2) Matthew Dillons full featured powerful C compiler & environment system.
❑ ^+ V536 CATALOGUE UTILITIES A collection of utilities used to Catalog disk/ Video & Tape collections (2)
❑ !- V567 PRINTER DRIVER GENERATOR A selection of utilities with various excellent Printer Driver Generators.
❑ ^+ V569 DUNGEON MAPPER v1.1 Can design maps for dungeons & Towns.
❑ ^+ V573 FILE & HD HDClick v2.0, File Minder, DosControl, Combines functions of many separate tools. (2)
❑ ^+ V575 HOME BUSINESS PACK Excellent selection of utilities based on word processing, Data Manag-ement, Spread Sheets, Accounts & Printing. (6)
❑ ^+ V583 ICONEDITOR III v2.0, Can create Icons upto 640x200 pixels, icons, Edit & Create any icons.
❑ ^+ V587 GELIGNITE FONTS (2) A selection of fonts for use with any DTP Package or Dpaint disks.
❑ ^+ V610 GOLF SCORES v1.84 It will record each round you play, Store it, make up an eclectic score NEW!
❑ ^+> V611 FOOTBALL LEAGUE EDITOR v1.1 Want to update your teams league position as the results come in.
❑ ^+ V620 ASPICE v3.2 Full featured program for electric circuit.
❑ !- V624 NIB COPIER v2.0 Will copy in AmigaDos, Index Nibble modes, search mode & special parameter copy.
❑ ^+ V627 DPAINT FONTS No's 1-3 (3) The latest selection Fonts for use with any IFF Painring / DTP Program.
❑ !- V635 IBeM EMULATOR v1.5 Is a CGA Colour IBM-PC Emulator written to run on any Amiga. Shareware version
❑ ^+> V660 HOME MANAGER is a great all in one address book with an inventory database & To-do list
❑ ^+ V661 VERTEX Create 3d objects without using the X, Y & Z views. Loads Sculpt 3d/4d & Turbo Silver
❑ !- V662 DCOPY v3.0 PRO You can select the speed of the disk drive, Copy modes, Dos, Nibcopy, Ver & safecopy
❑ ^+ V678 DRAW MAP v4.1 (2) You can generate world maps in detail views.3d or 2d ❑ 2Mb or ❑ 1Mb
❑ ^+ V681 GAME TAMER v2.2 Get a hold of that extra hard game & Cheat.
❑ ^+ V684 FONT EDITOR v1.0, Also contains other utilities. IFF Fonts
❑ ^+ V685 ASTRO ASTROLOGY v3.0 Best Astrology program on the Amiga
❑ ^+ V686 MULTIDOS v1.12 After this program has been installed your Amiga drives can then read 720k IBM Disks.
❑ ^+ V688 MAGNETIC PAGES v1.30 Creates disk based magazines with graphics.
❑ ^* V690 WB 2/3 UTILITES Contains the programs that should have been with WB 2. Take full advantage of the many NEW capabilities that are available. (2)
❑ ^+ V693 HARLEQUIN VIDEO ART & FONTS A video production with excellent backgrounds & Fonts (3)
❑ ^+ V698 AGRAPH v2.0 Brings the world a cheap draw Bar, Line, Area & Pie chart production/ presentation program.
❑ ^+ V705 MED v3.21 Excellent update to the famous music program
❑ ^+ V710 AREXX TUTORIAL Includes several sample Arexx scripts & sample progs. ARexx comes free on all WB v2.04+ disks
❑ ^+ V711 UNIX Contains a working demo of Minix, A Unix workalike. Minix is system call compatable.
❑ ^+ V715 COMPLETE BIBLE With the entire text of the New Testament & Torah (Old Testament). 1Mb (3)
❑ ^+ V718 SPECTRUM EMULATOR v1.4 Which is NOW!! 3 times faster. ❑ ^+ V719 FREECOPY v1.8 Removes protected games copy protection so that the user can install them on HD.
❑ ^+ V727 ART OF MED 2 Another excellent select of Med tunes.
❑ ^+ V731 AMOSBROT v1.1a More fractal types which include Logistic Equation, Coast lines & trees
❑ ^* V732 WB v2.04+ UTILITIES FPic DCopy, Boot Menu, Scenery, Huge.
❑ ^+ V733 SOFTWARE LISTER v1.6 This program is designed to keep a track of your Software collection.
❑ ^+ V742 ONLINE v1.4 Program will allow you to find cheats within games.
❑ ^+ F691 PROFESSIONAL C MANUAL v3.0 Is the largest collection of utilities, documents & examples for C, It consists of six manuals, with over 40 chapters (5)
❑ ^+ V757 AMIGADEX v1.61 Creates a card index database system.
❑ ^+ V758 TEXTPLUS v4.0e Another update of this excellent Word processor program. Requires Hard drive
❑ ^+ V759 TEXT ENGINE v4.0 Updated version of the Word processor with AZSPELL. Excellent spell checker
❑ ^+ V761 A-GENE v4.18 The latest version of the popular genealogy database program. By Mike Simpson
❑ ^+ V770 ACCOUNT MASTER v2.12 Excellent Amos written program.
❑ ^* V773 WB v2.04 WINDOWBENCH v2.0 Excellent Workbench replacement for all WB v2.04+ Users (2)
❑ ^+ V777 VOICE CLI v5.5 The idea is to control the CLI with your own voice.
❑ ^+ V778 RAYSHADE v4.0 Complex Ray tracing package. 2Mb (3)
❑ ^+ V782 FORMS Create, Edit, Draw , Colour & print your own forms.
❑ ^+ V783 PROGRAMMING TOOLBOX Many programs to help in your development efforts (most C but some in basic).
❑ ^+ V784 AREXX (2) disks which contain Arexx programs & examples
❑ ^+ V786 PASCAL This disk contains everything needed to program in Pascal. Includes a68k 68000 assembler & more.
❑ ^+ V787 PROGRAMMER TOOLS GadTools to design your user interface to your own programs using all of Amiga DOS 2.0+s new features. Also RegTools
❑ ^+ V790 ANIMATION UTLS Includes CyroUtils for splitting, combining, and creating animations from IFF picture files.
❑x V791 DIRECTORY ULTS Highly recommended programs which are designed to make CLI & Shell tasks virtually obsolete.
❑ ^+ V794 GRINDER Complete graphic conversion package that supports GIF, JPeg, Atari St (Neochrome / Degas), PCX, Targa, TIFF, Ham-E and IFF Format pics.
❑ ^+ V797 EASY AMOS PROGS (2) Contain source code for use with Easy Amos
❑ ^+ V799 ADVENCED UTILs SerNet & ParNet, Connect 2 Amiga & share resources via the serial / Parallel ports. My Menu Puts menus on your WB screen.
❑ ^+ V801 100 PRO PAGE 3 FONTS Theses fonts are for use with Pro Page & have be checked with the font converter which comes with your Pro Page3.
❑ ^* V806 WB v2.04 UTILITIES (2) 2nd collection of WB v2.04+ utilities that take advantage of the NEW capabilities.
❑ ^+ V811 ELECTROCAD v1.42 & PRO TOYPER Electronics drawing Programs.
❑ ^+ V812 CANON This disk contains Printer Drivers & Canon Studio, Gives better print output for any 9 pin printer.
❑ ^+ V814 PC TASK v1.11 is a software IBM-PC Emulator Allows you to run the majority of IBM software with NO additional hardware. CGA Colour.
❑ ^+ V815 FILE & HD 2 DirWork v1.62 MegaD File copier like Disk Master (2)
❑ !- V817 A500 PLUS EMULATOR As it sounds will let v1.3 / v1.2 owners run WB v2.04+ software with out any need to purchase to WB v2.0+ chips.
❑ ^+ V818 INSCRIPT v1.1 Produce video titles. Includes fully editable text entrys, Use IFF Pictures as back grounds
❑ ^+ V820 BBBBS v5.7 Baud Bandit bulletin Board System Ftures include up to 99 file libraries, interface to extra devices
❑ ^+ V821 SNOOPDOS v1.5 Monitors AmigaDos calls & allows you to see what library, devices, fonts are required.
❑ ^* V822 BACKUP v3.77 A hard drive backup program that features, multi-drive support, full backup, compression.
❑ ^+ V823 POWERPLAYER v3.4 Very powerful, user friendly module player. It can handle nearly all module formats can read PP modules & comes with it's own cruncher.
❑ ^+ V826 AHDM v3.4 Hard Drive Menu. When placed in your startup-sequence, offers a 16 page menu, each page having upto 10 possible actions.
❑ ^+ V827 REPAIR-IT: NewZap v3.3, A multi sector file editing system. FIXDISK v1.2, Recover's as much as possible from a defective disk DISKSALVE v1.42, Creates a new file system structure on another device, with as much data salvaged from the original device.
❑ ^+ V841 MODULA-2 Contains modula-2 language on the Amiga.
❑ ^+ V842 SID v2.01 Sid can be used for various operations, The best is the file copier on the Amiga. Recommened
❑ ^+ V844 DELITRACKER v1.3 Powerful & system friendly music player. Will play over 40 difference types of modules.
❑ ^+ V845 Q.M.J v5.31 Generate julia sets & complex Quaternion Julia slices. Displays mandelbrots.
❑ ^+ V846 SCOPIOUS MAPPER An excellent Dungeon mapping program
❑ ^+ V847 MONEY MANAGEMENT v1.01 Home accounts which allows you to keep track of upto 12 accounts
❑ ^+ V848 SLIDESHOW GENERATOR v3.1 Creates slideshows of pictures in various formats for the amiga.
❑ ^+ V850 FRAC v1.1 is a graphical Role playing game creator.
❑ ^+ V856 PICTURE TOOLS Converts Pictures to other formats and styles.
❑ ^+ V857 POSTSCRIPTERS Down loads Postscript Fonts for printing on standard Dot matrix printers.
❑ ^+ V858 MUSIC MAKERS A selection of programs to produce music productions. Make your own music
❑ ^+ V859 AUDIO TOOLS (2) Sound and Audio production utilities.
❑ ^+ V861 3d DESIGNER Various 3d graphic production utilities including CLight, DKBTrace and Surf.
❑ ^+ V865 IMAGE PROCESSORS Contains Tools to perform a wide variety of Image Techniques (IFF)
❑ ^+ V866 MANDEL EXPLORER (2) This is the best collection of Fractal Generating software on the Amiga.
❑ ^+ V869 ANIMATION ASST (2) Will solve many of your animation problems. Includes ABridge, Players, DA & AnimTools.
❑ ^+ V871 3d HELPER Are you starting out with 3d graphics. This is what you need
❑ ^+ V872 ICON TOOL KIT Just about every tool you could imagine
❑ ^+ V873 UGFC v1.1 Will help you translate between Graphic formats
❑ ^+ V875 SPACE Help you study, identify the Stars & celestial objects.
❑ ^+ V876 SYSTEM TEST v4.1 Checks & reports on your computer
❑ ^+ V879 BEAT DIS MODULES For use with OctaMED includes a Player
❑ ^+ V882 MAGNUM v1.4 Another excellent Disk Magazine Creator.
❑ ^+ V888 TRONI CAD v1.0 The best CAD program for your Amiga. WITH Various power functions.
❑ ^* V896 TOOLMANAGER v2.0 Includes the ability to add menus to your Tools menu. add WB icons or Windows.
❑ ^+ V899 ABACKUP v2.4 A Powerful backup utility that may be used for Hard Drive backup & File Archiving
❑ ^* V900 BOOTJOB v1.0 Include functions to store, install, view or execute any bootblock. Can save BB as executable files.
❑ ^* V901 FIM v2.2 IntroMaker to create you own Intros. IFF imports
❑ ^+ V921 COMPUGRAPHIC FONTS Will work with DPaint v4.1, ProPage3, Pagestream, Pagesetter & Work bench v2.04+. About 30 Fonts (3)
❑ ^+ V924 PLOT MAP v0.85 An extra for use with draw map v4.0 or v4.1
❑ ^+ V925 SLAUGHTER CHEATS Another selection of Hacks & Cheats
❑ ^+ V928 THE LITTLE OFFICE One of the best disks at the present time.
❑ ^+ V936 LETTERS & BOILERPLATE Letters for you to use as your own or cut & pause into a Word Processor
❑ ^+ V939 ANIM PB v1.2 Will show long sequences of animations or pictures fromn memory or disk.
❑ ^+ V942 SCREEN BLANKERS A disk packed with screen blankers. Includes the Twilight Zone blanker.
❑ ^+ V943 LYAPUNOVIA v1.0 Mind-boggingly colourful program that makes pictures from a mathematical formula.
❑ ^+ V945 PROPAGE 3 ENHANCER Contains over 40 Genies for use with ProPage 3.0, including useful ones like Make Pie Chart & others. Includes structured clipart for unique borders!
❑ ^* V946 SYSTEM OPTIMIZER KCommodity gives you memory meters, mouse/keyboard enhancements. REorg will optimize hard / floppy disks for big speed increase. HDMem virtual memory.
❑ ^+ V947 GNUPLOT Is a command driven interactive function plotter. Creates stunning plot/graphs of mathematical functions. Req HD & unpacks to 1.6Mb
❑ ^+ V948 INTUITION BASED BENCHMARKS A great package with all the popular BMs including Sieve, Dhrystone, Savage, IMath & Matrix.
❑ ^+ V949 TESTS Contains all of the classic speed tests and system checks we could find. Includes CPU Speed, A full featured system diagnostic tool & more.
❑ ^+ V950 GAME CONSTRUCTION ADL is a programming language and run-time environment designed for the convenient writing of adventure games.
❑ ^+ V951 PROTECTION Is a collection of utilities aimed to protect your data. Password protects autobooting HD's & Document File. Lock your data files with a passworded incription.
❑ ^+ V952 x-BENCH v1.0 Complete solution to the replacement Workbench. Contains Degrader, LastHope, View, Virus Checker, Power packer and DCopy2
❑ ^+ V957 TACKS v1.2 Help you create self-booting animation disks.
❑ ^+ V958 CLUB LEAGUE Is a utility that will allows you to edit and keep track of your divisons/leaggue stats.
❑ ^+ V959 AMIGA_E v2.1b Specific compiler. E is a powerful and flexible procedural programming language
❑ ^+ V960 CLEO v1.0 Inplementation of a new experimental Pascal like language. Includes Complier and Source
❑ ^+ V961 CPK v1.0 Render a space filling representations of atoms in mole cules. Handlies 3dimensional spheres.
❑ ^* V962 SUPER KILLERS v3.0 (2) The latest Virus Killers like BootX v5.23a, which can save any bootblock and install it on another disk as well as check for viruses. VC v6.2 and VirusZ v3.2
❑ ^* V976 WB v2.04 UTILITIES 6 Next collection of WB v2.04+ utilities.
❑ ^+ V977 FILE & HD No 5-6 Next Excellent collect of HD utilities. (2)
❑ ^+ V979 NCOMM v3.0 Is a communications program based on Comm v1.34 with lots of very nice enhancements.
❑ ^* V980 KICK v1.3 Will down grade A500+, A600, A1200 users machines to run software that would NOT normaly work. Turns them into a Workbench 1.3.
❑ ^+ V983 MEGA CHEATS v3.0c Now contains over 500 cheats. just Point & click at the game you want.
❑ ^+ V984 PROTRACKER v3.0a The latest updated version from Norway, Varios bugs fixed and about 70 new features, (To many to list them).
❑ ^+ V986 MAD TEE'S MODULES 2 Listern to the modules with out needing a Tracker program. About 20 Modules.
❑ ^+ V988 ZIPBENCH v4.0 Another Workbench replacemant but contains excellent utilities like, powerpacker v2.2a, powerplayer, SysInfo, VirusX, Archiver, b-Base, BootIntro, Degrader, Fist Aid Box (2)
❑ ^+ V994 THE MONEY PROGRAM v1.5 Features include upto a maxium of 60 accounts, upto 50 direct paymenys, keyboard short cuts. Contains documents
❑ ^+ V1000 GRAPHPRO v1.0 Written with Amos professional by David Jordan. Basically this program takes a set of data, plots them on a graph.
❑ ^+ V1001 VMORPH v2.0b By Lee Wilkie will allow you to create smooth morphs/warps between two different images over a period of frames to create an animation. Requires 1Mb
❑ ^+ V1002 RAMOS PRO FOR AMOS PRO If you have Amos Pro then this disk make your programs Boot without having to use your Amos pro even time.
❑ ^* V1003 NICKPREFS Is an enhancement to WB 2/3 which adds 3 new preferences WBPicture, BuzyPionter & Floppy.
❑ ^+ V1004 VIEWTEK Picture viewer which supports, AGA/ECS, 24-bit ILBMs, Shows JFIF, JPEG & most ANIM Op anims
❑ ^^ V1005 WB v3.0+ UTILITIES Is the first in a series of upcoming disks for the 1200 & 4000 Computers
❑ ^+ V1009 TURBO TEXT v1.1 Excellent Word Processor. Very impressive version with all the features who would need.
❑ ^+ V101? POOLS PREDICTION TOOL2 Need another helping hand with the Pools then this is it.
❑ ^+ V1016 OCTAMED v2.0 Music editor which was designed for making music for programs. (FULL & NEW VERSION)
❑ ^* V1017 POST v1.86 An excellent Postscript interpreter for the Amiga which implements the full Adobe language (3)
❑ ^^ V1021 WB 3 SCREENS Enhance your Workbench disks backgrounds with theses nice full coloured pictures
❑ ^+ V1022 LITTLE TRAVELLER v1.1 Shows a world map & you can select any country for travel information, Zooms up another close up map with more detail
❑ ^+ V1023 QUIZ Contains Questions & Answers with the option to add
❑ ^^ V1024 MANDELSQUARE v1.6 Program to generate enhanced AGA chip set Mandelbrot set images, requires an 020+ CPU & a numerical coprocessor. You can create 256 colour coloured pics
❑ ^* V1025 TERM v3.1 Comm prgroam, Xpr transfer, filetype ident after download, cut & paste, point-and-click, auto upload/ download, VT102/VT220, Ansi emulation, powerfull phonebook & AGA support (3)
❑ ^* V1034 ADM v1.01 Flexible address database with loads of great features.
❑ ^+ V1035 FES BASIC Just in time for all the new machines which do not have Basic with thier machines any more.
❑ ^* V1037 A1200 WB HACKS An excellent collection of Utilities & Hacks
❑ ^+ V1038 AMOS PRO UPDATER v1.11 1st Update to the Amos Professional
❑ ^^ V1039 WORKBENCH 3.0 INSTALL If you need to install your A1200 hard disk then you need this.
❑ ^+ V1040 bBASE III v1.1 An easy to use, versalite, yet full featured data base program. Greatly enhanced successor to bBASE II, Recommended
❑ ^+ V1041 DIGITAIL BREADBOARD Full digitail circuit simulator program
❑ ^* V1043 SUPER DARK v1.5 A screen blanker like After dark from the MAC theres about 30 blankers.
❑ ^+ V1044 FANCY PRINTING DISK Contains banner print, Graph Paper v1.2 and Disk print v3.59.
❑ ^+ V1045 uDRAW v1.0 Provides a mechanism for the rabid drawing of schematic diagrams. Bitmap oriented
❑ ^+ V1046 THE XI RAVE SAMPLES Grarett Watt's IFF 808 State samples
❑ ^+ V1048 HAM-8 VISTAS (2) Collection of Ham-8 Vista drawings
❑ ^+ V1051 EASY CALC v1.0 A spread sheet designed to be both easy to use and fast. Built in excellent help system.
❑ ^+ V1054 ADVANCED UTLS 2 Compress Disk doubles the capacity of your D on the fly with compressions. Also DiskOptimizer, SCSI Mount and more.
❑ ^* V1055 PARBENCH All the software you need to hookup 2 Amiga's or CDTV's.
❑ ^+ V1056 DEVELOPER Contains the official Commodore developers Kit for the Amiga Guide & install utilities.
❑ ^+ V1057 EDPLAYER Music MOD player that looks, acts & plays like a CD
❑ ^+ V1058 3D GRAPHICS Several 3d modelling/ray tracing programs
❑ ^+ V1059 GRAPHICS Create stunning graphical images. MPath creates swirling galaxy images. Roses, Rayshade
❑ ^+ V1060 CIRCUIT BOARD DESIGN Includes mCAD v1.26 and several terrific routines for the electronic enthusiast.
❑ ^+ V1061 DISK UTLS Several highly recommended programs for performing file hard drive backup, file recovery, disk track recovery, and forced disk validatuion
❑ ^+ V1062 DESKTOP PUB Transfers Macintosh screen fonts. AFM metric files to Amiga fonts/PPage metric files.
❑ ^+ V1063 RIPPERS, STRIPPERS & BEATS For the music enthusiast, designed to strip music from your favorite games
❑ ^+ V1067 3D OBJECTS 3 About 20 objects in Sculpt / Turbosilver format
❑ ^+ V1069 PRINTER DRIVERS 5 Contains Deskjet 550c, 500, 500c, Ricoh HP1200 400dpi, Canon BJ300, 130, LPB, 10e, PJ1080a HP Paintjet.
❑ ^^ V1070 (AGA) UTLs 2 Contains 256 colour icon editor, Plamsa256 and QuickGrab v1.1. Pure WB3.0 utls
❑ ^^ V1071 (AGA) MSM v1.8 Martins system monitor for programmers
❑ ^^ V1072 (AGA) WINBLENDER v39.28 Will create excellent/stunning AGA fractals. 68030/040/FPU versions.
❑ ^+ V1073 FT-X ACCOUNTS v2.01 Was written as there are not ready any other good account packages.

AMIGA GAMES

❑ ! - 1073 TETRIS ORIGINAL This is the closest game to the original tetris
❑ ^+ 1420 DTRIS If you want a1 or 2 player Tetris this has to be 1 of them.
❑ ^+ 1561 TRITWIS Contains 1 player, 2 player & 3 Payer game options.
❑ ! - 1747 LLAMATRON GAME 2001 By Jeff Minter & an excellent production.
❑ ^+ 1749 SCRAMBLE 'The Original' Remember that old classic gam utlse
❑ ^+ 1870 PATIENCE'S Play vs the computer or another human player.
❑ ^+ 1977 POM POM GUNNER Shoot down the incoming world war II air planes in this Operation Wolf
❑ ! - 2018 JETMAN ASpectrum classic converted to the amiga. It's JetPak with all the original sounds.
❑ ^+ 2022 SEA LANCE The first Silent Service type sub war game on PD
❑ ^+ 2054 ATIC ATAC A rendition of the game from the original Spectrum
❑ ^+ 2162 BATTLE OF BRITIAN WAR GAME 2 Strategy war games.
❑ ^+ 2164 DUNGEON ON NADROJ This is the best Dungeons & Dragons Public domain type game. Load Wb
❑ ^+ 2220 STRATEGIC GAMES Eternal Rome, Lords of Hosts, In Moonshine
❑ ^+ 2221 MIND GAMES 21 of the best games to challenge your mind
❑ ^+ 2272 BLACK JACK LAB Play all the popular versions of Pontoon
❑ ^+ 2278 CARD SHARP A professionally presented selection of solitaire games
❑ ^+ 2279 SUB ATTACK v1.0 Control the torpedoes & sink the enemy
❑ ^+ 2280 DIPLOMACY Classic strategy game loosely based on World War 1. 2Mb
❑ ^+ 2313 REVENGE OF THE MUTANT CAMELS The ride of a life time with camels
❑ ^+ 2396 PETERS QUEST Is truly an excellent platform game for all ages.
❑ ^+ 2411 TOTAL WAR Strategy world conquest type game. 1 or more players
❑ ^+ 2432 GOLDEN OLDIES Galaga, Galaxians, Space invaders, Asteriods, Batty & Missle Command.
❑ ^+ 2436 DRAGON TILES Mahjong is a ancient chinese game with coloured tiles
❑ ^+ 2447 COINDROP Fruit Machine simulator with various gamble modes.
❑ ! - 2448 CRAZY SUE Another first rate cute school girl platform game.
❑ ! -> 2450 SMASH TV Simular to the arcade machine. Graphics & sound
❑ ^+> 2480 FRUIT MACHINE 2 As near as poss to the Arcade machines
❑ ^+ 2482 DESCENDER Is a clone of the arcade, Tempest vectorized game
❑ ^+ 2483 INTRUDER is a Multi level Berserk clone with smooth graphics.
❑ ^+ 2484 CATACOMB v1.7 Graphical Adv game set on a small island in the middle of the land of EXOUSIA
❑ ^+ 2485 IRON CLADS (1Mb) Update to the excellent Strategic War Game (2)
❑ ^+ 2491 LEGEND OF LOTHIAN v1.02 An adventure game in the vein of Ultima.
❑ ^+ 2494 HUNCHBACK This is a conversion of the old classic game.
❑ ^+ 2498 AMOS CRICKET Excellent arcade cricket simulator with graphics.
❑ ^+ 2534 BATTLE CARS II Get behind the wheel of a heavily armed car as you race round courses 2 players with the computer link
❑ ^+ 2535 SUPER PACK MAN 92 This is the best Pack man to date with super smooth scrolling & excellent graphics.
❑ ^+ 2613 DUAL 2 player game where you control armoured tanks & rockets.
❑ ^+ 2614 TETREN is a 1 or 2 player Tetris game. 2 player is Head 2 Head
❑ ^+ 2615 WAR Strategy war game in which you control a fleet of space craft.
❑ ^+ 2617 GOLDEN OLDIES 2: Croak, Excellent 1 or 2 player version of Frogger. BiPlanes is the most additive games we have played here 2 player only. TrailBlazer, C64 Classic, Scamble.
❑ ^+ 2620 DR MARIO A Tetris like game where you move coloured pills down the screen. 3 in a row go's
❑ ^+ 2621 ETERNAL ROME Start the roman Empire from 32BC. Build fleets, armies & send them into battle.
❑ ^+ 2622 DONKEY KONG Original platform game in which you must rescue the girl. + Mad Bomber.
❑ !+ 2674 INTERPID In the Artic ice you control a tank on a mission to rescue hostages in this superb Amiga origional
❑ ^+ 2676 MORIA v5.4 Loads of new features, better graphics, larger dungeons, screen updates, overview of dungon's map
❑ ^+ 2710 CLASH OF THE EMPIRES (2) v2.1 Strategical War game By T.A.Sear
❑ ^+ 2712 ACT OF WAR Simular in style to the classic game Laser Squad. You control a team of special troops.
❑ ^+ 2715 TANK ATTACK This is a 1-4 player version of the Classic Cartridge game Combat. 4 Joysticks can be used.
❑ ^+ 2716 RESCUE Spaceship game simular to Scrample. Excellent graphics
❑ ! - 2721 E-TYPE II Asteriods adv where you jet around collecting weapons
❑ ^+ 2723 SOLITAIRE Popular card game on the amiga. Excellent version.
❑ ^+ 2724 NEIGHBOURS This is the best graphical adventure game (2)
❑ ! - 2732 CYBERNETIX Defender, Star Gate style game with super fast scrolling.
❑ ^+ 2738 AIR TRAFFIC CONTROL Try to guide upto 100 planes into the AirPort
❑ ^+ 2775 ROULETE ROYAL Why not do some gamble with chips at the casio
❑ ^+ 2778 SOCCER CARD Truly a very simple Football Management game.
❑ !+ 2802 CARD-O-RAMA Sea heven, Crib Klondike, Black-jack, Spades, Street .
❑ !+ 2803 PUZZLES Gold, Dumbbell, Flying, CobraBunny,Get My Goat,Wordhai, Rmyca, Rabbit and much more.
❑ ^+ 2808 LADY BUG Classic game simular to Pack man in style
❑ ^+ 2811 WIZZ WAR Shoot with fire balls not fire power through unknown Lands.
❑ ^+ 2814 BULL RUN v1.3 This is one of the classic straregy games.
❑ ^+ 2825 ALL ROUNDER A Cricket simulation with great graphics & play
❑ ^+ 2842 CRAZY SUE II Sequal to the all time best selling PD platform game.
❑ ^+ 2843 ROTON 2 player but is very aditive for people you liked thrust.
❑ ^+ 2854 SPACE INVAIDERS II A revised old classic Space Invaiders game.
❑ ^+ 2863 FIGHTING WARRIORS A karate combat fighting contest game.
❑ ^+ 2876 ESCAPADE Break bricks in a wall by hitting a ball with bat. Break Out
❑ ^+ 2932 NUMERIX If you enjoy puzzle / Tetris then this is a must. You have a scrabble board & you must place tetris tiles around to get points.
❑ ^+ 2941 EXTREME VIOLENCE Scrolls around much bigger than Smash TV
❑ ! - 2949 OBLIVION Is the closest I have seen to the original defender
❑ ^+ 2987 BOMB JACKY A conversion as the original but it's as the best yet
❑ ^+ 2988 BALDERS GROVE its here Boulder dash with a selection of levels
❑ ^+ 2991 VEKTOR Tron Light cycles game with excellent graphics, sound
❑ ^^ 3023 UCHESS (AGA) Do you love chess then try this. 4Mb & WB 3.0
❑ ^+ 3037 SSW Is a game for 2 based around Space Wars but with many extra features like Planets, Stars & systems
❑ ^+ 3038 TANK HUNTER A 2 player Tank Attack game with various levels
❑ ^+ 3039 ASTEROIDS II v0.85 This is the best version of Asteroids I have ever seen, If you like Asteroids games
❑ ^^ 3040 TETRIS (AGA) If you like tetris, you need this disk. AGA graphics.
❑ ^+ 3075 18 HOLE GOLF (2) The first excellent golf game. Select speed & power
❑ ^+ 3162 SON OF BLAGGER This is a classic (64/Spectrum) platform conversion. Can you remember how active it is to play

STAR TREK + SI-FI

❑ ^+ AT05 KLINGON D7 CRUISER fires torpedoes while passing by NCC-1864
❑ ^ + AT10 ENTERPRICES Leaves the Star station dock. NCC 1701-A classic original
❑ ^ + AT22 APPROACHING VESSELS
❑ ^ + AT23 STAR TREK FLEET MANEUVER
❑ ^ + AT33 THE PROBE II Anim. & BRID OF PREY
❑ ^ + AT34 LEAVING SPACE OFFICE Docking Attack mode, Bird of Prey Scout attacking
❑ ^ + 1060 STAR TREK*: TNG By Terry A Mc Intosh
❑ ^ + 1081 UTLTIMATE STAR TREK (2) Game by Tobias Richter. Now in English
❑ ^ + 2222 STAR TREK TNG This is the latest quiz game based on the T.N.G (2)
❑ ! - 2501 STAR TREK By Jimbo Barber (2) (2dd)
❑ ^ + 2503 STAR TREK Eric Gustafson. (3) (2dd)
❑ ^ + 2926 STAR TREK THEMES! (2) The original sampled version of the Star Trek themes.
❑ ^ + 2879 CULT TV II (2) This volume features 6 more cult shows from the 60s & early 70s include complete Episode Guides, Indepth backgroud guides, seasons listings, cast and Credits
❑ ^ + 3108 STAR TREK: DEEP SPACE 9 SLIDES

CLIP ART

❑ V419 VIZ	❑ V421 GARFIELD
❑ CA1 .. MIXED 1 (5)	❑ V497 BEATRIX POTTER
❑ CA2 .. MIXED 2 (5)	❑ V707 .. SCALEABLE ART
❑ CA3 .. FRUIT (5)	❑ V864 PRO DRAW
❑ V689 WALT DISNEY	❑ V895 .. DISNEY COLOUR
❑ CA7 .. FLOWERS (2)	❑ CA5 .. CHRISTMAS (5)
❑ CA6	MONSTERS (2)

SPECIAL FONTS

These fonts will work with all workbench systems v1.3 to v3.0
❑ 300 ADOBE TYPE 1 FONTS Just over 300 fonts for use with PPage 3.0 & Pagestream 2.1/2.2 only. £44.99
❑ 120 PDRAW FONTS For use with all Professional Draws. £24.99
❑ 300 SCALABLE FONTS For use with PPage3, PageSetter 2/3, DPaint 4.1, WB v2.04+ and WordsWorth. £44.99

All disks can be seen before you purchase just send a S.A.E or ring the Hotline number. You can purchase single disks for £3.00 each. Please ask when ordering for a list.

Code Numbers
* Works with Workbench 2.0
\+ Workbench 2.0+ Only
^ Works with Workbench 3.0
^^ Workbench 3.0+ Only
\> Not A600 Machines
Not A500 or A600 Machines
! Not Workbench 3.0
?? Requires ?? Amount of disks
??Mb Requires ?? Amount of memory

DISK MAGAZINES

❑^+ 2962 ...... GRAPEVINE 14 (3) £4.00
❑^+ 2980 ...... BLUE POWER ISSUE 0
❑^+ 2992 ...... LUNCH TIME ISSUE 3 (2)
❑^+ 3015 ...... SUICIDE ISSUE 4
❑^+ 3041 ...... ZAM ISSUE 3
❑^+ 3050 ...... JOYRIDE ISSUE 1
❑^+ 3051 ...... UPSTREAM ISSUE 1
❑^+ 3079 .. ABNORMALIA 2nd BREATH 2
❑^+ 3094 ...... VICIOUS ISSUE 2
❑^+ 3101 ...... GRAPEVINE 15 (3) £4.00
❑^+ 3120 ...... RAW ISSUE 5
❑^+ 3130 ...... THE BOUNTY ISSUE 5
❑^+ 3134 .. MAGBOX ISSUE 5 / BALANCE

NEW DEMOS

❑^+ 3136 ...... KEFRENS DESERT DREAM (2)
❑^+ 3139 ...... SCOOPEX 2 UNLIMITED (2)
❑^+ 3146 .. HEADING FOR HOME (4) 3Mb
❑^+ 3151 ...... HYDRA BY POLAND
❑^+ 3152 ...... FRACTORY BBS BY TEK
❑^+ 3156 ...... TECHNO DISK II
DESTRUCTIVE YOUTH
❑^+ 3000 ...... LETHAL EXIT / DIGITAL
❑^+ 3004 .... MIRROR / ANDROMEDA (2)
❑^^ 3063 .... (AGA) HOIS MEGA DEMO
❑^+ 3002 ...... DEMON DIL DEMO (2)
❑! + 2989 ...... 3d DEMO II v2.01
❑^+ 2921 ...... STATE OF THE ARTS
❑^+ 2867 ...... TRSI / W.SENSATION (2)
❑^* 2815 ...... LAWNMOWER MAN (2)
❑^+ 2858 ...... JESUS ON E'S / LSD (2)
❑^- 2984 ...... MOVE YOUR MOUSE (2)
❑^+ 2633 ...... XPOSE / THE SILENTS (2)
❑^ - 2977 ...... BIZARRE INC (2)
❑^+ 2749 ...... ULTIMATE DANCE
❑^+ 2623 ...... TIME ZONE / TRSI (2)
❑! - 2632 ...... TECHNO CONSPIRACY
❑! - 2965 .... TECHNO / INVESTATION
❑^+ 2870 ...... OLDBULLS / DAMAGE
❑^+ 2872 ...... C64 DUKE BOX TUNES!
❑^+ 2763 ...... ITS TIME TO PLAY
❑^+ 2781 ...... RAVE ATTACK II
❑^+ 2833 ...... TECHNO TRANCE III
❑^+ 2753 ...... HISTORY OF HOUSE (2)
❑^+ 2871 ...... C64 MEMORYS
❑^+ 2986 ...... ACCOUSTIC SILENCE

ORDERING BY POST Please tick the boxes to the left of the disk numbers with a coloured pen, Hi-Lighter or just outline the disk (s) you want to order. After selecting your order please fill in your Personal details on the order form provided. CUT OUT or Photocopy this advert and Post to the Address above. Hand written orders are also acepted. Cheques & Postal orders make payable to: PD-SOFT. Ordered before please tick the Account box or just fill in your number which was on the previous delivery note.

COLLECTING DISKS You can now collect any disks at our office address 6-8 Durham Road, Southend-On-Sea, ESSEX, SS1 2YD
EEC (NON UK) When ordering there is a min order of 5 disks please add 20% for Airmail postage . Eurocheques are acepted.
INTERNATION ORDERS Please add 20% to your order's total (Min £2.00) to cover Air Mail postage. Cheques must be drawn on U.K. Banks. No postal orders

[redacted] ❑ MOUSE PAD £3.49
DUST COVERS £4.49 ❑ A500 ❑ A600 ❑ A1200 £4.99 ❑ LC10 ❑ LC24/10
❑ 3.5 DISK CLEANING KIT £3.49
DISK LABELS 3p Each / Min 50 or ❑ (£11.99 for 1000. Which Includes P&P
DISK BOXES ❑ 40 £5.49 ❑ 80 £8.99
CATALOGUE DISKS 1Mb ❑ 2Mb+ ❑ £2.50

[redacted] 1 ... DISKS £3.00 2-5 ... DISKS £2.75 6-10 ... DISKS £2.50 11-20 DISKS £2.00 21-50 DISKS £1.75 51+ ... DISKS £1.50

Your Name		A/c No	
Address			
Post Code		Telephone	
Card Card No		Expiry Date	
Signature		I enclose cheque/PO for	£

P S D

THE PROFESSIONAL STANDARDS FOR DISTRIBUTION ENDORSED BY COMMODORE UK

DISKOVERY P.D.

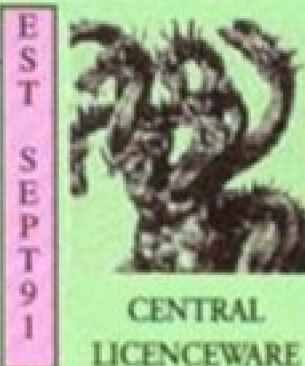
TEL 0274 880066

WHY NOT USE OUR TELEPHONE HOTLINE FOR SAME DAY DESPATCH. CREDIT CARDS WELCOME.

SPECIAL OFFERS

1. FOR EVERY 10 P.D DISKS YOU BUY, WE WILL GIVE YOU A 10 CAP BOX WORTH £1.99 ABSOLUTELY FREE!
2. FOR EVERY 25 P.D DISKS YOU BUY, YOU CAN CHOOSE ANOTHER 5 FREE!

EST SEPT 91



CENTRAL LICENCEWARE

(No.) = HOW MANY DISKS TO ORDER, EG (2) = 2 DISK PACK

DEMOS

D1...Mental Hangover
D2...Intercepter Demo
D4...Wild Copper
D10...17Bit Music Demos
D11...World Demos 21
D13...Total Remix Demo
D14/15...Predators (2)
D20/21...Red Sector (2)
D24/25..New Tek Reel 3 (2)
D26...Total Remix 2 Demo
D27...T.V Theme
D30...Epic Demo
D34...P.D Collection
D36...Virtual Worlds
D37..Vectra Sinking Demo
D38...TFF Demo Voyage
D40...Safy Demo
D59...Video Effects 3D
D64..Cult Vector Dance 2
D68..Phenomena Demo
D70...Amos 3D Demo
D74...A Trip to Mars
D76..A2000 Genlock Demo
D81/82..Budbrain 1 (2)
D83...Budbrain 2
D85..Crionics Neverwhere
D87...Piranha Demo
D101..Alcatraz M/Demo 3
D102..A Chaplin Demo
D103..Total Destruction
D105..Mr B Demo Comp 4
D106..Walter S.T Demos
D111...Defcon 1
D117...Aurora M/Demo
D118...Cult M/Demo 2
D125...Precise Demo
D133...Fascination
D136..Goldfire Megademo
D137/138..So What (2)
D139..Devils "No Reality"
D144..The Silents "Ice"
D145..Crystal Symphonies
D148..Ray Of Hope 2
D149..No Brain No Pain
D158/159..Cyborg Demo (2)
D195..Coaxial Comp
D197...MC Disk 1 Coma
D199..End Of Century 1999
D206...Dreamers 3
D208..Avengers M/Demo
D216/217..Bass o Matic (2)
D218...Disorder Demo
D219...Tuff Enuff
D225..Cool Fridge Demo
D226..Hardcrack M/Demo
D233..Hypnautic Hammer
D235..Six of One Demo
D238..Planetside
D239..Lemmings Revenge
D240...Total Respray
D243...Budbrain 3
D244..Phenomena Inerspace
D245...Total Retrial
D247..Pulling the Trigger
D253..CES Demos
D256...Total Recount
D257...Total Rebate
D262...Spasmolytic
D264...D-Mob M/Demo
D267..Sun Connection 2
D270..Kefrons The Wall
D271...Timex Hydra
D272...Electric Demos 1
D274...Defpackers Demo
D276...Cave La Weird
D279...Iraqui Demo
D280/281..Delerious (2)
D290...Popeye Demo
D292...Excalibur Demo
D298..Silents + Anarchy
D301...Subway Demo
D302...Tarot Demo
D303...Despair Demo
D307...L.S.D Demo
D312...Devils Colours
D314...Trakmo
D315..The Groove Ramjam
D322/323..Star Wars (2)
D325/326..Real Empathy (2)
D328/329..Red Dwarf (2)
D330...Darkness M/Demo
D332...Melted Experience
D333-337...Odyssey (5)
D338...Beastie Boys Demo
D340...Watchman Demo
D341..Anarchy Smoker Co
D342..Ed 209 The Revenge
D343/344..Hardwired (2)
D346..Wildfire M/Demo
D347..Mindwarp M/Demo
D348/349..Skizzo Demo(2)
D350-352..Treacle Team(3)
D358...Mr Men Stories
D359..Seeing is Believing
D360...State of the Art
D361..Mayday Resistance
D362/363..Jesus on E's(2)
D364...Fish Tank
D365...Optimum Pressure
D366...Mind Riot
D367..In the Can Demo
D368..Dynamic Illusions
D369...Piece of Mind
D370...3D Demo 2
D371..Lethal Exit

UTILITIES

U1..Games Music Creator
U21..The Comms Disk
U32...Modem Utils
U34...Red Devils Utils 1
U36...Soundtracker Special
U38...Paint, Music, Media
U39...Card Designer
U40...Spectrum Emulator
U41...Red Devils Utils 4
U43...Future Composer
U44...Kefrons Makeboot
U45..P.E Giant Utils 168
U47..Label Designer
U49...Ultimate Icon Disk
U50...Power Comp Utils
U51..Jazz Bench
U55...Visicalc
U57...Quickbench
U59...Font Designer
U60...D-Paint Fonts 1
U61...D-Paint Fonts 2
U62...Med 3.20
U63...Direct Anim Creator
U64...Crossword Designer
U66...CLI Help + Others
U67...S/Tracker Mega
U68...Ultimate Boots 1
U69...Ultimate Boots 2
U73...Powerlogo
U74...M-Cad
U75...Journal Home Acc's
U76...Home Utilities
U77...Electrocad
U78...Ami Base
U81...Bootbench V2.0
U82...Slideshow Maker
U83...Catalog Workshop 1
U84...Catalog Workshop 2
U87...Hard Disk Utils
U89-94...Amateur Radio (6)
U95...C-Light + Others
U96...GFX Utils 1
U100...Ham Lab
U101...Sid V2.0
U108...A-Gene
U113...Midi Utilities
U118/119..Video Utils (2)
U132...GFX Utils 2
U133/134...North C (2)
U136...CrossDoss (demo)
U138...Squid Squad Utils
U139...Terminalities V1.0
U140...Squash 1 (2.04 only)
U141...Squash 2 (2.04 only)
U142...Text Plus 3
U144...Dennis Samples 1
U145...Digital Intro Design
U146...Viz Clip Art
U147...Spectrum Emulator
U151...Slipstream V/Killers
U152...Red Devils Utils 6
U154...Amigafox W/P
U155...P.D Utils Docs Disk
U163...Quickbench + (2.04)
U164...Rim Database
U166...Dennis's Hack Disk
U167...Demolisher Utils
U168...Home Business 3
U172...Squelch (1.3 only)
U176...GFX Utils 3
U177...Star Charts
U179-180...Dice (2)
U181...Celtic Demo Maker
U186-206...Track Ins 10-30
U207...Icon Collection 1
U208...Dave Jones Fonts 1
U210...Ultrapaint 3
U211...Chemesthetics
U212...Animated Pointers
U213...Desk Top Publisher
U214...Deskbench Icons
U215...Messy Sid 2
U216...Master V/Killer 2.2
U218...Data Base Wizard
U223...Ten Pin Database
U224...O-Base Database
U225...Games Solutions 1
U231...D-Paint Fonts 3
U232...Games Cheats 2
U234...Flexi Base
U235...Ami Cash VI
U238...Iconmania
U240...Icon Editor
U252...Opticomms 2.0
U254...New Superkillers 2
U255...Protracker v2.0
U256...Atari ST Emulator
U258...D-Copy 3
U262...PC Emulator
U263...Med 3.21
U273...Vidi Fonts 1
U274...Illinci Labels
U275...600 Business Letters
U279...Invoice Printer
U280...Woman V2.020
U283...Headline Fonts
U289...Amos Updater
U290...Kickstart 2.04
U292...Black Tiger Utils 1
U293...Black Tiger Utils 2
U294...Text Engine V4.0
U295...Game Tamer
U296...Ultimate Disk Crea
U297...10 PD Copiers
U298...Protracker V3.0

GAMES

G1...Return to Earth
G2...Games Comp 5
G3...Dizzy Lizzy
G4...Scum Haters
G5...Parachute Joust
G6...Frantic Freddie
G8...Twintris
G9...Pseudo Cop
G10...Drip
G11...Bug Bash
G12...Asteroids
G13...Llamatron
G14...Escape From Jovi
G15...Moria Adventure
G16...Ground Attack
G17...Megaball
G18...Insiders Club
G19...Various Adventures
G20...Battleforce
G22...Dragon Cave
G24...Rings of Zon
G25...Mayhem
G26...Mechflight
G27...The Tennis Game
G28...Flaschbier
G29...Buck Rogers
G30...Greyslayer
G31...7-Tiles
G32...Mega Comp 1
G33-34...Star Trek 1 (2)
G35-37...Star Trek 2 (3)
G38-39...Mechforce (2)
G40...Klondyke
G42...Car
G43...Games Comp 2
G44...S.E.U.C.K Games
G45...Sacc Games Comp
G46...Games Comp 3
G48...Rays Game Disk
G49...Games Comp 4
G50...Games Comp 6
G51-52...Trucking (2)
G53...Jetpac
G55...Quick and Silva
G56...Miniblast
G57...Lamer Game
G58...Games Comp 7
G59...Games Comp 8
G60...Pom Pom Gunner
G61...Caverunner
G62...Crystal Caverns
G63...Intact
G64...Eternal Rome
G65...Lemmingoids
G66...Downhill Challenge
G67...Lame ST Ports
G68...Paranoid
G69...Puggles
G70...Chainsaw Death
G71...Pirate Pete's Treasure
G72...Serene 2
G73...Castles
G74...Dynamite Dick
G75...Card Games 1
G76...Wizzy's Quest
G77...Growth
G78...Skate
G79...Atic Atac
G80...Napoleonic Sim
G81...Project 1
G82...Lazer Zone
G83...Lemmings Pack
G84...Star Trek S.E.U.P
G85...Lettrix
G87...Matched Pairs
G88...Raphaels Revenge
G89...Snake Pit
G90...Zeus
G91...Merv The Merciless
G92...Blizzard
G93...The Maze Game
G94...Subculture
G95...Hollywood Trivia
G97...Shootout
G99...Holy Grail Adventure
G100...Amos Coindrop
G101...Classic Comp 1
G102...Card Games 2
G103...Super Skoda Chall
G104...Grand Prix Sim
G105...Games Comp 9
G106...Computer Conflict 2
G107...Mission X Raid 2
G108...NU Game
G109...Antep + Slot Cars
G110...Tricky + The Turn
G111...Marble Slide
G112...Games Comp 10
G113...Black Jack Lab
G114...Dungeon of Madroj
G115...Amiga Columns
G116...Robocop In Iraq
G117...Mutant Camels
G118...Games Comp 11
G119...Number Fumbler
G120-122...Warlock (3)
G123...Card Sharp 1
G124...Bart Simpson
G125...CC Games Comp
G126...Air Ace 2
G127...Breakout Con Kit
G128...Pipeline
G129...Dung of Doridian
G215...Amos Games 1
G212-214...Timelords 6-8
G132...Peters Quest
G133...Star Trek 3
G134...Piperider
G139...Door To Door
G143...Solid Quad
G144...Omega Race
G145...Mission X Raid 3
G146...Trek 73
G147...Wack In Wonderland
G148...Squats Revenge
G149...Sky Fight
G150...Wet Beaver
G151...Airmania
G152...Wizard World
G154...Totally Frantic Quiz
G155...Chess V2.0
G156...Smash Telly
G159...Billy The Dragon
G160...I-Ching
G161...E-Type
G162...TomCat
G163...Sea Lance
G164...Dizzy Diamonds
G165...No Mans Land
G166...Word Square Solver
G167...Cross Fire
G168...Wastelands
G170...Space Blitz
G171...Crazy Sue
G172...Make A Break
G173...Squamble
G174...F-1 Challenge
G175...Othello
G178...Evil Dead Game
G179...Trainset
G180-181...P Comps 1+2
G182...Diplomacy
G183...Tractor Beam
G184...Motor Duel
G185...Game Boy Tetris 2
G186...Water Works
G187...Act Of War
G188...Mutants Games
G189-193...Timelords 1-5
G194...Nirvana
G195-196...Neighbours (2)
G197...Amoeba Invaders
G198...Game Boy Tetris 1
G199...Tetren
G200...Battlecars 2
G201...Dr Mario
G204...Ashido
G205...Cheats Disk 2
G206...Cheats Disk 3
G207...Next Generation
G208...Airport
G209...F.R.A.C.
G210...The Golden Fleece
G211...Legend Of Lothian

SLIDES

S1...Ham Pics Show 1
S4...Madonna Slides
S5...Moviestar Slides
S6...Party Disaster
S8...Immaculate Collection
S9...Simpsons Slides
S10-11...Channel 42 (2)
S12...Bruce Lee Slides
S14...Addams Family
S15...Viz Mag Slides
S16...Boris 13
S17...Docklands Jarre
S18...Dr Who Demo
S19...Napalm Death
S20...Nasa Slides
S21...Exodus 3D Slides
S22-24...WWF Slides (3)
S26...Cascade Demo
S27...Demons Slides
S28...Total Recall
S29...Joe's Slides
S30...Ham Pics Show 2
S31...D-Paint Slides
S32...Neighbours Slides
S33...Roger Dean Slides
S34...Iron Maiden Slides
S35-36...Tobias Richter (2)
S37...Joe Trsi Slides
S38...Basket Case 2
S39...Eces Slides
S40...Fraxion Devine 2
S41...Fraxion Devine 1
S42...Golems Gate Slides
S43...Chainsaw Slippers
S44...Cry For Dawn
S45...Forgotten Realms (2)
S47...Kick Off 3 Slides
S48...PD Slideshow
S49-52...Terminator (4)
S53...Robocop 2 Slides
S54...Trackmaster Slides
S55...Forgotten Realms 2
S56...Garfield Slides
S57...Pawnbroker Slides
S58...Hellraiser Slides
S59...Night Breed Slides
S60...Raytracing
S61...Horror Slides
S63...Tate Gallery 2
S64...Rock Star Manager
S65...Images Slides
S70...Muscle Mania
S71...Creature Comforts
S72...The Wonder Years
S73...Watership Down
S75...Ferrari 348 Pics
S76...Belinda Carlisle
S77...Cher Slides
S79...Freddies Dead
S80...Wendy James Slides
S81...The Invisible World
S82-83...Terminator 2 (2)
S84...Fantasy Pics
S85...Gulf War Slides
S86...Magical Pics
S88...Gulf War Tribute
S89-90...S/Thing Fishy (2)
S91...Eldorado Slides

ANIMS

A1...Probe Sequence
A2...Ghost Pool
A3...Jogger + Magician 1
A4...Gymnast Demo
A5...Fractal Flight
A6...Basketball Demo
A9...Magician 2
A10...Pugs In Space
A11...Luxor Teenager
A13...Juggler Demo
A16...Cool Cougar
A17...Mono Cycle Anim
A18...Robocop Anim
A20...Mayhem on Wheels
A21...Jugette 2
A22...Shuttlecock Anim
A23...T-Pot Anim
A27...Fleet Manouvre
A28...Billiard Anim
A29...E/Prise Leaves Dock
A30...Star Wars 2 Anim
A31...Star Trek Anim
A32...Fraxion Revenge
A34...Madonna Anim
A35...Stealthy Anims 2
A36...Raiders Of The Lost Ark
A37...Bugs Bunny Show
A38...Iraq V's UK Anim
A39...Mike Tyson Anim
A40...Knight Anim
A42...Walker 2
A43...Walker 3
A45-46...Light Cycle (2)
A47...Exploding Head
A48...Police Car Chase
A49...Top Gun Demo
A50...Animators Demo
A51...5 Ways to Kill a Mole
A52...Another 5 Ways
A53...Batman The Movie
A54...3D Spaceship
A55... Mr Potato Head
A57...Camouflage
A58...VGA Anim 4
A59...Low Level Flight
A63...Amy V's Walker
A64...Real Pinball Anim
A65...Franklin The Fly
A66...Porky Pig Anim
A67...Adventures of Chuck
A69...Bunsen Burner
A70-71...Max Overdrive (2)
A73...Spaceshuttle Anim
A74...Ghostbusters + Horse
A76...Alarm Anim
A77...Flight Anim
A78...Piano Anim
A79...Dart Anim
A80...Bad Bird Anim
A81...Holiday Anim
A82...Fillet The Fish
A83...The Boings
A84... Clothes Peg
A85... Miners Anim
A86...Pocket Watch Anim
A90-93...The Movies 2 (4)
A95...My Tin Toy
A96...T-Pot 2 Anim
A99...Terminator 3
A100...Dolphin Dreams
A101/102...Thunderbirds (2)
A103...Histor Of Amy
A104...Pogo Anim (2 Meg)

CLR LICENCEWARE

CLE01.....DINOSAURS (LEARN ALL ABOUT CERTAIN TYPES OF DINOSAURS I.E. JURASSIC, TRIASIC AND CREATACEOUS, ON 2 DISKS £4.50)
CLE02.....GEOLOGY (WANT TO KNOW ALL ABOUT THE VOLCANOS AND THEIR SUBSTANCES THEN TRY THIS 2 DISKS £4.50)
CLE03.....SOLAR SYSTEM (GET TO KNOW MORE ABOUT THE SOLAR SYSTEM WITH INFORMATION ON PLANETS ETC AND WITH PICTURES TO LOOK AT 3 DISKS £4.99)
CLE04.....COLOURING PAD (A UNIQUE COLOURING BOOK TO KEEP THE KIDS AMUSED FOR HOURS 1 DISK £3.50)
CLE05.....A - CHORD (LEARN TO PLAY THE GUITAR BY LISTENING TO NEARLY EVERY SINGLE CHORD AVAILABLE ON THE INSTRUMENT 1 DISK £3.50)
CLE06.....MATHS INSTRUCTOR (HELP YOURSELF GET THROUGH THE GCSE'S WITH THIS SUPERB MATHS INSTRUCTOR TRIG, QUADRATIC, SIMULTANEOUS, VOLUMES, AREA ETC ETC 1 DISK £3.50)
CLE07.....FRESHWATER FISHING (THINK YOU KNOW ALL ABOUT FISHING ? TRY THIS 2 DISKS £4.50)
CLE08.....NIGHT SKY (LOOK AT THE STARS PLANETS ETC FROM ANYWHERE ON THE FACE OF THE EARTH AND CLICK ON A DISPLAYED OBJECT FOR INFO 2 DISKS £4.50)
CLE09.....WORDS + LADDERS (A WORD SPELLING GAME FOR 1 OR 2 PLAYERS 1 DISK £3.50)
CLE10.....BASICALLY AMIGA (GET TO KNOW YOUR AMIGA TO THE FULL 3 DISKS £3.50)
CLE11.....LETS LEARN V1.1 (LEARN SUMS, TUNES, CODES ETC ON THIS EXCELLENT LEARNING AID AGE RANGE FROM 5 - 7 1 DISK £3.50)
CLE12.....ALPHABET TEACH (TRY TO SPELL WHAT YOU SEE ON THE SCREEN 1 DISK £3.50)
CLE13.....HOME BREW (WITH RECIPES TO INSTRUCTIONS ON FERMENTING ETC LEARN HOW TO MADE HOME MADE WINE 1 DISK £3.50)
CLE14.....ECOLOGY (LEARN MORE ABOUT ECOLOGY WITH THIS BRILL PROGRAM 3 DISKS £4.99)
CLU01 .....VIDEO TITLER (MAKE YOUR VIDEOS LOOK PROFESSIONAL SCROLLERS ETC 1 DISK £3.50)
CLU02 .....FISH INDEXER (MAKE PYE CHARTS GRAPHS ETC WITH FIGURES 1 DISK £3.50)
CLU05 .....SAS MENU MAKER (MAKE MENUS TO SUIT YOU 1 DISK £.50)
CLU06 .....SUPER SOUND 3 (CREATE YOUR OWN TUNES WITH THIS MUSIC UTILITY 2 DISKS £4.50)
CLU10 .....POWER ACCOUNTS (KEEP ACCOUNTS OF YOUR EXPENDITURE WITH PASSWORD FUNCTION 1 DISK £3.50)
CLU11 .....CALC V1.3 (AN EXCELLENT SPREADSHEET FOR THOSE CROSS CALCULATIONS 1 DISK £3.50)
CLU12 .....VIRTUAL WINDOWS 1 (A COLLECTION OF USEFUL UTILITIES LIKE ADDRESS BOOK, NOTE PAD, SOFTWARE CATS ETC 1 DISK £3.50)
CLU13 .....DATOS (EASY TO USE YET VERY POWERFUL DATABASE 1 DISK £3.50)
CLG01 .....NORRIS (A VERY ADDICTIVE GAME SET IN THE MEDIEVAL ERA 1 DISK £3.50)
CLG02 .....DARK THINGS (A BRILL PLATFORM SCROLLY GAME 1 DISK £3.50)
CLG03 .....PHASE 2 (AN EXCELLENT SIDEWAYS SCROLL SHOOT EM UP GAME 1 DISK £3.50)
CLG 04 ....X-SYSTEM (A VERY ADDICTIVE GAME WITH THE USUAL END OF LEVEL MONSTERS 1 DISK £3.50)
CLG05 .....TRUCKING ON (TRY AND MANAGE YOUR OWN TRUCK FLEET EXCELLENT 2 DISKS £4.50)
CLG06 .....OBLITERATION (ANOTHER FAST SHOOT EM UP TYPE GAME 1 DISK £3.50 NOT PLUS COMP)
CLG08 .....DRAGON TILES (OLD JAPANESE TYPE MAJ JONG STYLE GAME 1 DISK £3.50)
CLG09 .....MOTOR DUEL (DRIVE A 3D CAR SHOOTING AND RACING WITH OPPONENTS 1 DISK £3.50)
CLG10 .....FUTURE SHOCK (A CASE OF GETTING THE BALL THROUGH THE MAZE 1 DISK £3.50)
CLG11 .....ALL GUNS BLAZING (CAR GAME FOR 2 PLAYERS WITH THE OVERHEAD VIEW THEME 1 DISK £3.50)
CLG12 .....BULLDOZER BOB (WIPE OUT THE SCREEN OF COLOURED BLOCKS 1 DISK £3.50)
CLG13 .....PARADOX (A PUZZLE GAME TO TEST THOSE POWERS OF SOLVING 1 DISK £3.50)
CLG14 SONIC SMARTIHEAD (ANOTHER PLATFORM STYLE GAME 1 DISK £3.50)
CLG15 .....SPLODGE THE REVENGE (ANOTHER PLATFORM GAME WITH PUZZLES TO SOLVE 1 DISK £3.50)
CLG17 .....IMBRIUM DAY OF RECKONING (ONE OF THOSE GRAPHIC ADVENTURE TYPE GAMES EXCELLENT! 1 DISK £3.50)

RAVE & TECHNO PACK

ORDER NO P.01

DANCE IN STYLE WITH ALL THE LATEST RAVE AND TECHNO SOUNDS. AVAILABLE ON THE AMIGA. THIS PACK IS A MUST FOR ALL YOU RAVERS.

10 DISKS FOR ONLY £9.50 + P+P

BUSINESS PACK

ORDER NO P.04

WHETHER IT'S JUST TYPING A LETTER OR KEEPING A RECORD OF YOUR FINANCES, THIS PACK IS A DEFINITE MUST!

10 DISKS FOR ONLY £9.50 + P+P

EDUCATIONAL PACK

ORDER NO P.02

THIS PACK CONTAINS EVERYTHING FROM LEARNING LANGUAGES TO PLAYING GAMES, AND AGES RANGE FROM 4 TO ADULT.

15 DISKS FOR ONLY £14.50 + P+P

ROCKFORD PACK

ORDER NO P.06

A COLLECTION OF GAMES WHICH ALL INCLUDE THE BOULDERBASH GAMES THEME. IT ALSO HAS AN EDITOR SO YOU CAN MAKE YOUR OWN CAVES.

10 DISKS FOR ONLY £9.50+ P+P

C64 EMULATOR PACK

ORDER NO P.05

THIS PACK EMULATES THE AMIGA INTO A C61 WITH OVER 50 GAMES TO CHOOSE FROM. COMES WITH FULL INSTRUCTIONS.

3 DISKS FOR ONLY £3.75+ P+P

CLIP ART PACK

ORDER NO P.03

WITH 100'S OF DIFFERENT PICTURES TO CHOOSE FROM THIS PACK IS AN ABSOLUTE MUST FOR ALL YOU DTP AND D.PAINT ENTHUSIASTS.

15 DISKS FOR ONLY £14.50+ P+P

ASSASSINS PACK
£1.50 EACH

10	DISKS	£10.50+p&p
30	DISKS	£28.50+p&p
40	DISKS	£34.50+p&p
54	DISKS	£43.00+p&p
ALL	70	£60.00+p&p

WE OFFER A FAST AND VERY FRIENDLY SERVICE TO ALL OUR CUSTOMERS WITH THOUSANDS OF TITLES TO CHOOSE FROM. PLEASE SEND A S.A.E FOR A FREE CATALOGUE.

ACCESSORIES

MOUSE HOUSE	£1.99
MOUSE MAT	£2.80
SQUICK MOUSE	£19.99
10 CAP BOX	£1.99
100 CAP BOX	£6.99
A500 DUST COVER	£3.99
A600 DUST COVER	£3.99
3.5" BLANK DISKS	£0.69
PRINTER STAND	£4.99
MONITOR STAND	£10.99
MONITOR COVER	£4.99

HOW TO ORDER

ALL YOU NEED TO DO IS PUT THE NUMBERS OF THE DISKS REQUIRED AND SEND IT TO THE ADDRESS BELOW ALONG WITH A CHEQUE OR P.O MADE PAYABLE TO DISKOVERY. PLEASE DON'T FORGET TO INCLUDE THE CORRECT POSTAGE TO ENSURE SPEEDY DELIVERY.

PRICES

PUBLIC DOMAIN

1-9 DISKS = £1.50 EACH
10+ DISKS = £1.25 EACH
20+ DISKS = 99P EACH

POSTAGE

Europe PD = 60p
Accessories = 90p
World PD = £1.50
Accessories = £1.90

KICK 1.3

NOW ALL P.D DISKS WILL WORK ON YOUR A500+/A600 & A1200 WITH THIS AMAZING DISK

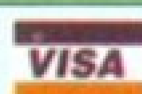
ONLY £1.50

ASSASSIN'S GAMES PACKS 1-54 NOW IN STOCK

SEND YOUR ORDER TO:

Access

WE ACCEPT ACCESS, VISA AND MASTERCARD



DISKOVERY DEPT (AMF), 108 THE AVENUE, CLAYTON, BRADFORD, W. YORKS, BD14 6SJ

PD Demo Zone



For your felicitation and delectation, **Andy Nuttall** has rounded up (well dug deep into the mail box, actually) a superb sample of delicious Public Domain demos – from gorgeous graphics and artistics animations to cute children's musical favourites.

MANGA SLIDES

SHOW

WACK PD, DISKS S060, 61 AND 62



A typical example of Japanese Anim artwork, lovingly crafted and honed, and brought to your Amiga.

From Sunteam comes a three disk set of artwork copied from various films taken from the range of imported Manga videos from Japan. These include *3 x 3 Eyes*, *Urotsukidoji* and the superb *Akira*. In fact, the *Akira* drawings have a whole disk, with lots of hand-drawn stills from the film, along with flashes of the logo – excellent stuff.

The graphics are wiped in and faded out imaginatively, and the images are truly excellent – they're colourful and well-defined, capturing the feel of the original artwork well.

The music is reasonably typical of the film styles – deep and booming for *Akira*, light and twee for the other films. Unfortunately there's no option to turn the music off, but you can always turn the volume down on your monitor.

Manga is a growing industry in the UK. If you are interested in watching one of the films featured here, but you can't find them in your local shops, you can contact Manga Video on 081-748 9000. Also you can ask for details of the Manga club, where you can get hold of T-shirts, caps and other merchandise.

INTERFERENCE

DEMO

TELESCAN



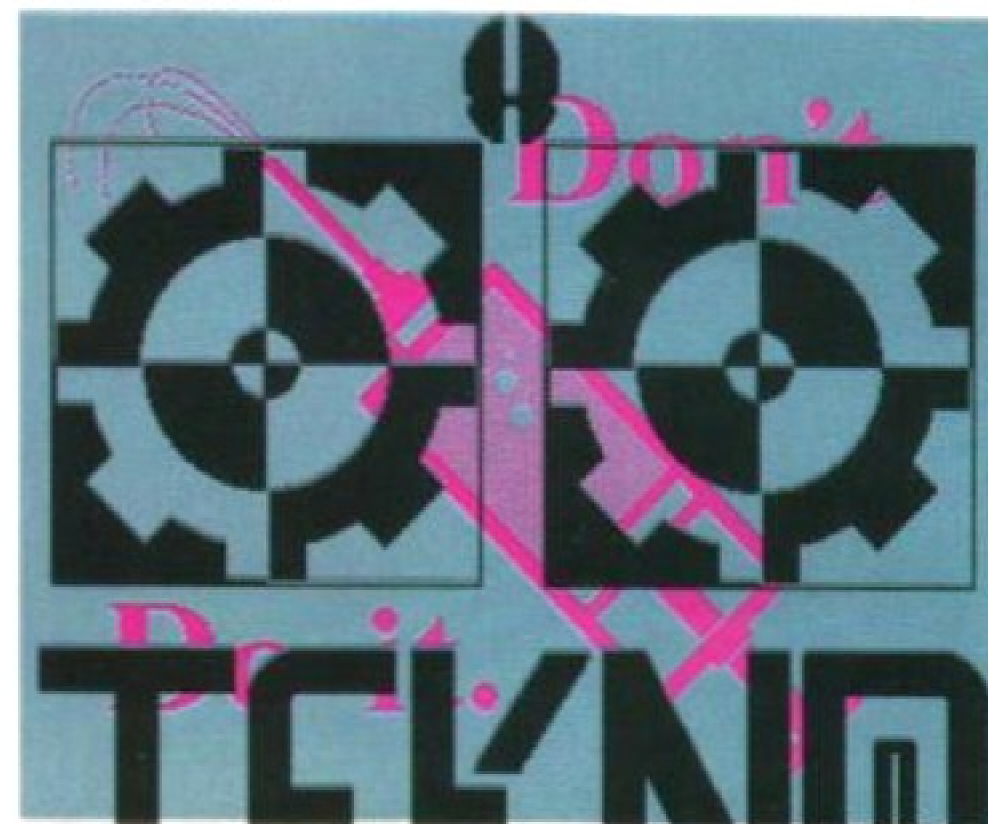
A train with attitude? Motorhead must have thought so – it is featured on their *Rock 'n' Roll* album cover.

Sanity present another megademo, with nothing special to offer apart from some superbly drawn images – most notably a horror train (see picture above) and a really good human skull. It also includes simple texture mapping which breaks up the usual demo that just features thousands of dots swimming around the screen. The soundtrack's not bad, using good samples, but it does get a bit repetitive after a few minutes. Yeah, it's good, but it doesn't break any new ground.

RETINA EURO ONE

DEMO

TELESCAN



Yep, it's another one of those trackmos that look great on screen, but here they look as dull as, erm, a dull thing.

Hey! Rave on! Got any E, man? Er, and other stereotypical comments supposedly spoken by ravegoers. Dear God, this demo is the epitome of mind-melding demos. That doesn't mean it's the best – *State of the Art* and *Jesus on E's* are better and more varied – but it just doesn't stop flashing. Stroboscopic effects abound, while still images are flashed up on the screen in time with the music, which is rave-style and very repetitive.

Continued overleaf

BAIT MASKING

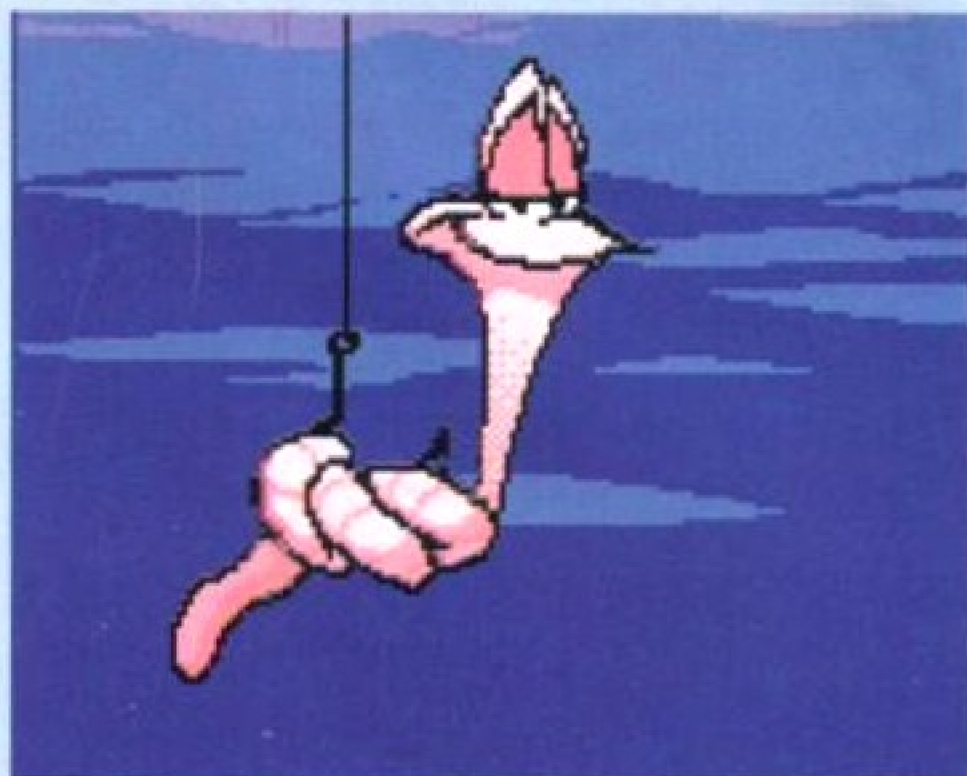
ANIM

TELESCAN

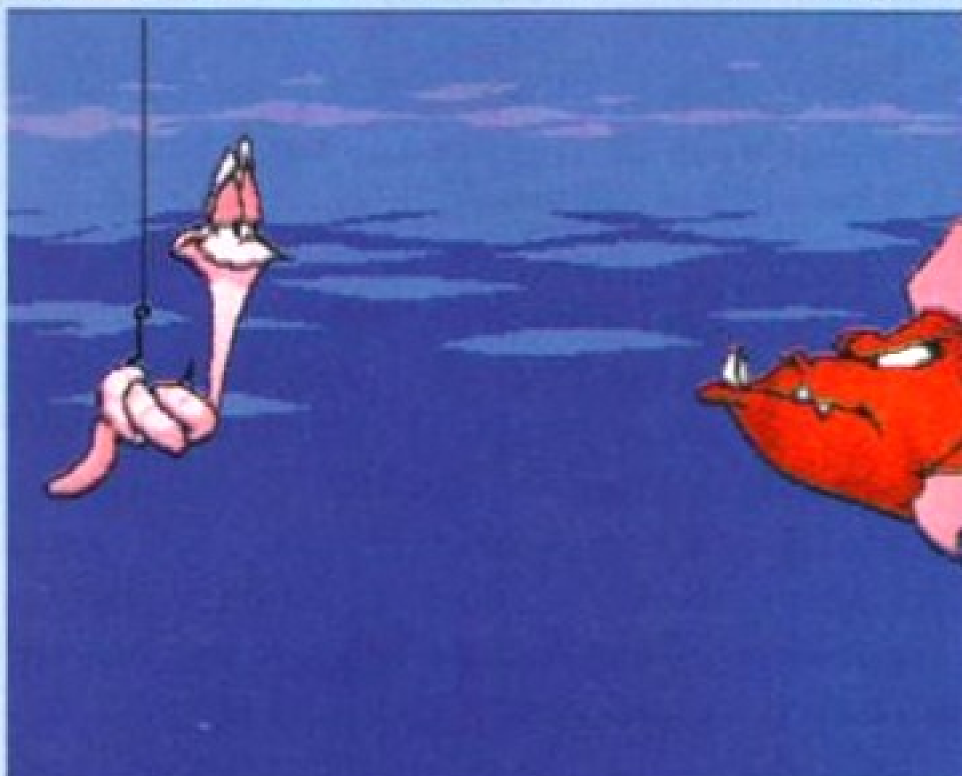
The latest work from Amiga animation genius Eric Schwartz is also one of his shortest. As you probably know, Eric uses Gold Disk's *Moviesetter* program to put together his anims. This anim was originally put together on the Macintosh to demonstrate the powers of *Animation Studio* on the Mac – also by Gold Disk.

Anyway, now it's on the Amiga, and as you would expect from Schwartz the animator, it's very good. Having covered such subjects as fighter aircraft and the on-going romance between Amy the Squirrel and Flip the Frog, he now turns to that great pass time – fishing. Not the easy-going, relaxing 'sport' side of things, but the side that the poor, innocent bait sees while sitting on the wrong end of the fishing line.

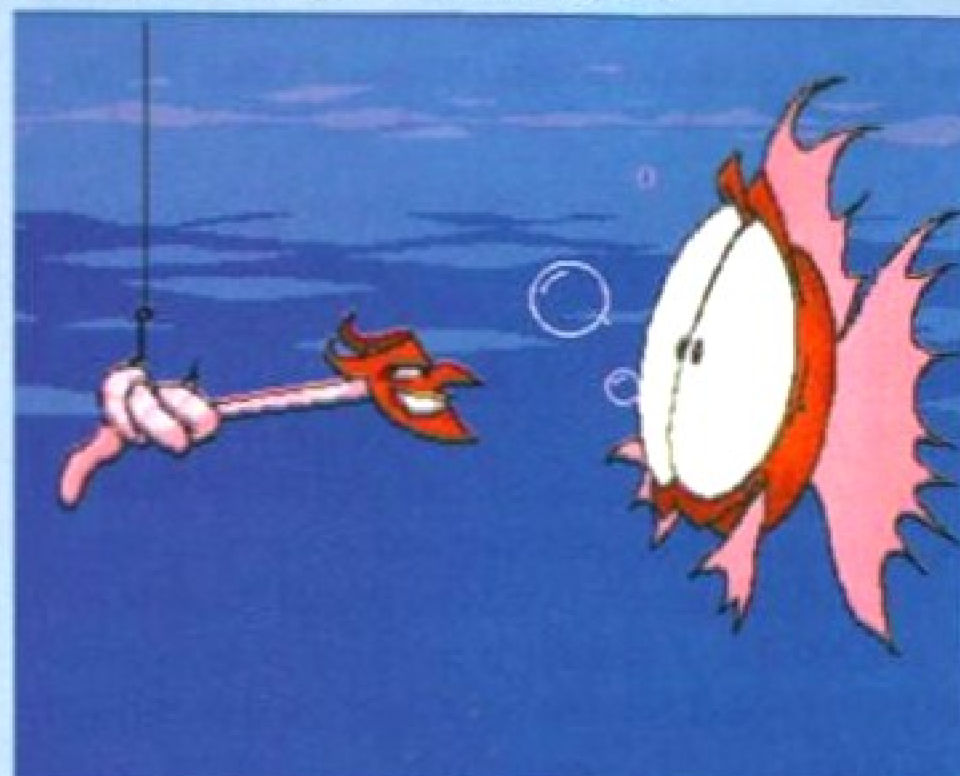
The little worm, as you can see from the pictures here, has a scary mask which he uses to foil the nasty fish with. Having frightened off two fish, he tries the mask trick with a third – except this fish is particularly laid-back and cool, and fools our poor hero with a cunning plan. Another brilliant animation – keep them coming, Eric.



Smug? Yep, that's Worm. Smug because he has a scary mask which he knows will frighten off all nasties...



...What, even a disgusting, snarling, many-toothed beastie like this one? I don't think so.



Call me a liar. It's clever how a good artist can turn around personalities – which one looks cute now?

REVELATIONS

CYNOSTIC PD, DISK P0028

SHOW

Revelations is a one-disk slideshow full of images drawn by Rank, a member of the group Cryptoburners. These are the coders who brought you the excellent *ProTracker* program featured on last month's Coverdisk. Each image is depicted in high or medium resolution, which are not easy modes to work in anyway, but the level of detail and the use of colour are superb.

The main subjects of the slideshow are female and to Rank's credit the images are more sensual than sexual. Having said that, there is the odd nipple or two on show, so I wouldn't recommend it for your children. Other images include a sword-wielding warrior, a strange 'thing from the pit' type creature, and in case you forgot that this is real men's stuff – an aeroplane. For a quick flash of the 16-colour artwork on the disk, take a peek at the little oval picture just above the Demo Zone headline on the previous page.

Although it's mostly copied by hand from original artwork, *Revelations* is an amazing feast of Amiga graphics. If you have an open mind, or an affinity for pictures of ladies wearing not many clothes, then take a look, because it's about the best you're likely to get.



It's incredible how an artist can do so much with a small palette. The whole of this slideshow was created using either 16 or 64 colours. Absolutely stunning.



And likewise this one. Just look at the detail on the fabric – quite amazing, really. It doesn't stop there, though, there are another eight pictures on the disk.

It's definitely not for you if you're even slightly epileptic – and I'm serious about this – my head ached after watching it. It's serious stuff, ideal if you want to set up a rave in your home. Switch the lights down, turn the volume up, and get raving.

THE QUEEN DEMO

HEX HEROES PD

DEMO



It's not a Kind of Magic, Freddie. It's more a Kind Of, erm, Complete Abortion At The Hands Of A Digitiser, really.

Oh no! I'm not sure I can bring myself to review this one. Still, there aren't many new demos around this month, so I'll have to.

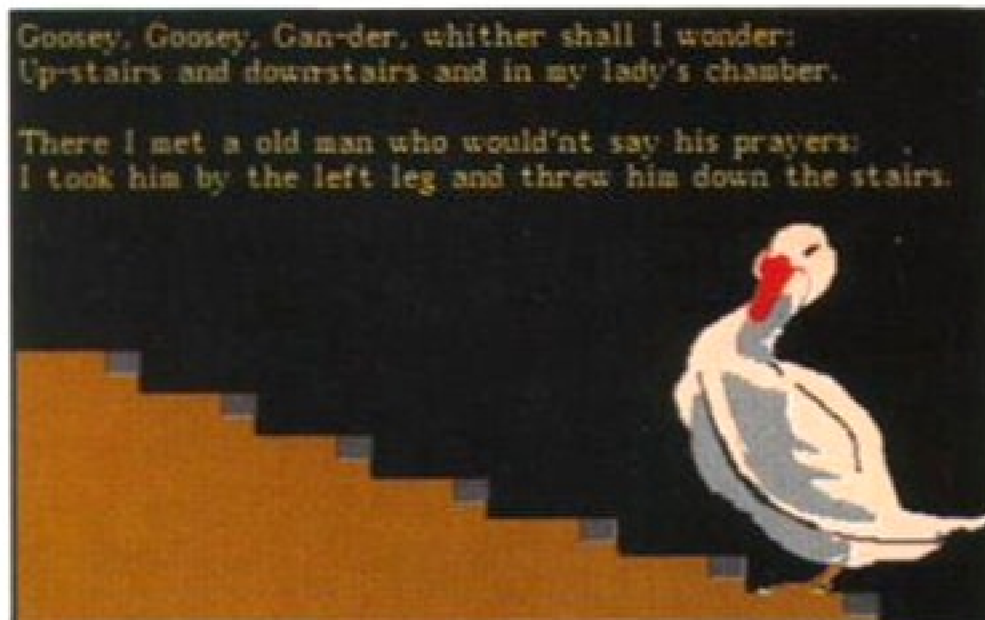
Anyway, the gist of it is that there are these Queen fans who have set up a PD house called Hex Heroes. Nothing wrong with that, of course – good luck to them. Unfortunately, they decided to produce their own PD disk as a tribute to the late Freddie Mercury.

Aaaaaggghhh! I wonder how many people would really be interested in some poorly digitised pictures of Mr Mercury and his popular band in concert, along with some abysmally digitised images of video and record covers, and the video for *It's a Kind of Magic*. Not many, I reckon. Not only that, but the self-styled 'Hex Heroes' actually have the audacity to charge a shareware fee of £2 for the disk! Utterly amazing. In a world where demo coders like LSD, Sanity, Cryptoburners et al can produce stunning high-quality products on PD, this doesn't even warrant the cost of a disk, never mind two quid. Freddie, bless his heart, must be turning in his grave.

CHILDREN'S FAVOURITES 2

17 BIT, DISK 2501

MUSIC



Call me twee if you will (*you're a tree – Rich*) but I like this. It has a kind of oldy worldy... (*oh shut up – Ed*).

Hooray! Although I never saw *Children's Favourites 1*, this disk contains five tunes which are a kind of 'musical box' rendition of popular children's tunes – Polly Put the Kettle On, Piggy Wiggy Wee, Goosey Goosey Gander, I Saw a Ship A-sailing By and There Was a Little Woman. No frills, no spills, just basic graphics to illustrate each song, and the lyrics so that you can sing along. It's a kind of basic karaoke, I suppose.

Don't laugh – this is an excellent disk that will keep kids happy for a while, and introduce them to the world of the Amiga at a very early age.

TOP TEN DEMOS OF THE MONTH

Just so that you know what's in and what's not we ask a Public Domain library to tell us their top-selling demos of the month...

CYNOSTIC PD

1.	Cynostic AGA Slideshow vol.1	P0008
2.	Snow Joke	A0025
3.	A Taste of U4IA	S0057
4.	Digital 'Lethal Exit'	D0041
5.	Silents 'Demon Download'	D0104
6.	Team Hoi 'Planet Groove' AGA	D0106
7.	Quality Time	A0030
8.	TRSI 'Wicked Sensation'	D0116
9.	Adventures of Oscar the Lemming	A0031
10.	Fanatix 'Audio Dreams'	S0098

WHERE TO GET THE DISKS IN THIS ISSUE

HEX HEROES PD: 22 Woodend Lane, Stalybridge, Cheshire SK15 2SR

CYNOSTIC PD: 85 Wyken Croft, Coventry CV2 3AD. 0203 613 817

TELESCAN COMPUTER SERVICES: Handsworth Road, Blackpool. 0253 22296

17 BIT: 2-8 Market Street, Wakefield, West Yorkshire WF1 1DH. 0924 366 982

WACK PD: New Exchange Buildings, Queen's Square, Middlesbrough, Cleveland TS2 1AA. 0642 246 548

Anglia PD

ALL DISKS NOW ONLY £1.05 EACH!

All disks work with the A1200! unless stated

LASER PRINTED INSTRUCTIONS AVAILABLE FOR DISKS WITH THIS SIGN (I) ONLY. JUST ADD 50P!

Catalogue Disk (P) only 70p - Includes a superb Scenery Generator!

(P) = Works on A500, A500 Plus and A600

HOME MANAGEMENT PACK 3 DISKS (P) £3.15
Calendar, Mortgage, Spreadsheet, Grammar, Mileage, World Time, Budget, Chequebook, Database, Typing Tutor, Typewriter, Grocery, List Maker, Home Banking.

CLIPART PACKS 1, 2 OR 3 EACH PACK = 5 DISKS £5.25
3 different packs of 5 disks, all full of the very best clipart for DPaint etc. (P)

FONTS PACK 1 OR 2 EACH PACK = 5 DISKS £5.25
2 different packs of 5 disks, pack 1 contains: Publisher fonts, various fonts, fonts disk 2, Cosmopolitan fonts, large fonts (loads of great fonts for DPaint etc.) (P)

ANGLIA COLOUR FONTS PACK 1 OR 2 (P) 5 DISKS £5.25
5 disks full of original colour fonts produced here at Anglia. There are 16 colour fonts - not cut and paste! They are produced in the same way as the chisel font supplied with DPaint and the Kara range of commercial fonts! They are typed straight in and work with Dpaint and TV Text.

ANGLIA CLIPART PACK (P) (NEW)..5 DISKS £5.25
Brand new IFF clipart produced by Anglia! Loads of high quality anti-aliased IFF images including cats, dogs, birds, wild animals, people and characters. Use with DPaint or any program that accepts IFF graphics.

ASTRONOMY PACK (P) 4 DISKS £4.20
This superb pack now includes: Star Chart, Amigazer, Total Concepts, Astronomy, Gravity Well, Grav Sim, Orbit, Planet and Fast Facts on the solar system.

PRINTER USER PACK 2 (P) (NEW) 4 DISKS £4.20
A completely new collection of programs to help you get the best out of your printer! Includes: Diskprint V3.51 (Disk labels), MCMaster (Cassette covers), Printfiles, JBSPool, Envprint (Envelopes), New Print (Margins - Headers Footers etc.) and more.

DISK EXPERT PACK (P) 5 DISKS £5.25
If you want to learn more about your Amiga, get this pack! - You'll be a disk expert in no time! Includes Power Packer (Easy file compacter), Sid (Brilliant CLI Replacement Tool!), Iconmania (Change any Icon in seconds), Fixdisk, Viruschecker V5.3, D-Copy (Copies, Repairs, Formats and more), CLI Tutorial (All you need to know) and 202 other utilities!!!

"C" PROGRAMMERS PACK (P) 6 DISKS £6.30
A complete "C" language and superb instruction manual provide all you need to learn the "C" language, includes North C (2 disks) and the C Manual (4 disks)

MED V3.21 MUSIC PACK (P) 4 DISKS £4.20
MED is widely recognised as the best music package, PD or otherwise!! This pack contains V3.21, the latest version complete with loads of digital samples, a disk full of MED music scores and some great MED music to load and play! Listen to what your machine is capable of!

500+ CLASSIC GAMES PACK (P) 5 DISKS £5.25
An incredible collection of superb commercial quality arcade games! Hours of fun for both kids and adults. Includes: Defender, Galaxians, Scramble, Missile Command, Pac-Man, Bi-Planes, Drip!, Space Invaders, Asteroids, Breakout, Tetris + more!

CARD + BOARD GAMES 2 (P) 4 DISKS £4.20
Another outstanding collection! 38 very good "Thinking" Games! Chess V2, Backgammon, Blackbox, Towers, Pipe, Zerg, Maze, Connect4, Dominoes, Draughts, Othello, Go Moku, Dragon Tiles, Klondike, Canfield, Mastermind, Wordsearch, Hangman, Pontoon and many more.

PUZZLES PACK 3 (P) 3 DISKS £3.15
6 brand new graphical puzzle games, all brilliantly done, guaranteed to keep you playing!: Ashido,Flag Catcher, Rothello, Quadrix, Paragon, Technoban.

HARD DISK PACK 2 (P) ....3 DISKS £3.15
Great collection of the latest hard disk utilities includes HDclick (menu maker), fileminder (directory etc.), a backup (superb!), superlock (password protect every drive, mouse and keyboard!!), disk optimizer, copier, virus killer and more!

SHOOT 'EM UP PACK (P) ....5 DISKS £5.25
The finest blasting games in PD! Includes: Galaga 92, Revenge, Intruder Alert, Blizzard, Tom Cat, Moonbase and Hellzone.

ASSASSINS GAMES PACK (P) (NOT A1200) 5 DISKS £5..25
Combining quality with superb value for money - This pack contains 22 of the best games in PD! Includes: Picture Tiles, Storm Eagle, Extreme Violence, Poo Poo, Dominos, Dizzy Diamonds, Squirm, Super Raid, Magnatron, Maiyessae, Cli-Tris, Pacatac, Mastermind, Asteroids, Supercube, Venus Invaders, Splash, Power Wars, Velcro Grub, Quadong, Kings.

INTERMEDIATE BUSINESS PACK (P) .5 DISKS £5.25
Wordwright (Wordprocessor including mail merge and macros), S-Calc (Spreadsheet), Amibase Pro 2 (Stunning Database), Amigaspell (Spell Checker), LS Label (Infinite Label Control), Messysid V2 (File Management + PC File Transfer), Amiga Fox (Desk Top Publishing)

HOME BUSINESS PACK (P)..............4 DISKS £4.20
Designed especially for newcomers to business software, this pack contains a database (BBase), spreadsheet, accounts package and Wordprocessor (QED). Also included are a 12,500 word spelling checker and a word statistics program!

HOME BUSINESS MANUAL (P) £2.99
Approx 50 page professionally printed manual containing full instructions for the Home Business Pack . Includes a specially written guided tour section that takes you through the major features of each program and ensures that you can use each program with confidence!

SINGLE DISKS AT ONLY £1.05!

BUSINESS
- B321 (P) Amigafox (English Desk Top Publishing)
- B322 (P) 600 Business Letters (Superb! - Ready to use)
- B327 (P) (I) Text Engine V4 (now the very best wordprocessor with built-in 36,000 word spell checker!)
- B347 (P) (I) Address Print V3 (easy to use address label printer)
- B335 (P) Forms unlimited (Design invoices etc, quickly)
- B339 (P) (I) A-Graph V2.0 (new version - easy graphs!)
- B340 (P) BBase III (Major new update of this excellent database)
- B342 (P) Wordpower (Great spell checker with crossword and anagram solving tool!)
- B348 (P) Easy Calc (The best Spreadsheet yet !)

UTILITIES
- U437 (P) (I) D-Copy V2 (Now an even better disk copier!)
- U478 (P) Typing Tutor (New! Great features)
- U495 (P) Virus checker V6.22 (the very best virus killer)
- U496 (P) Messysid V2 (Reads and writes PC disks)
- U4028 (P) Printer Drivers (Over 100 - Most Star + Citizen models including colour and HP500C!)
- U4029 (P) Degrader (Turn WB2 or 3 into WB1.3
- U4030 (P) Virus Z Version 3.05 (kills all known germs!)
- U4031 (P) (I) Twilight Zone (Excellent screen blanker)
- U4033 (P) Lyapunovia (Creates weird pictures - try Sci-Fi!)
- U4036 (WB 2/3 only) Kick 1.3 (lets you use WB1.3 software.
- U4038 (P) DPaint tutor (easy route to Pro Graphics)
- U4041 (P) Cyclops (great picture generator - fast!)
- U4042 (P) (I) V-Morph (Morphing program)
- U4043 (P) (I) Superdark (brand new screen blanker with over 20 patterns - superb!)
- U4048 (P) SYS INFO V3.18 (Latest info on your hardware)
- U4049 (WB 2 or 3) Upcat (Easy disk catalogue program)
- U4050 (P) Amiga World V1.1 (Info on every country on earth !)
- U4051 (P) AIBB (Great Benchmark program for testing your Amiga)
- U4052 (P) Amos Pro Update Disk V1.2
- U4053 (P) HP550C Printer Driver

GAMES
- G6036 (P) (I) Total War (Perfect version of The Risk board game)
- G6038 (P) Cybernetix (The best PD game by far - like Defender!)
- G6042 (P) Super Pacman 92 (the best ever)
- G6050 (P) Yacht C (Classic five dice game - new version)
- G6051 (P) (I) Bridge (The full card game - special A1200 version included!!)
- G6053 (I) (WB 2/3 only) GNU Chess (excellent graphics - the best chess game yet!)
- G6054 (I) (WB 2/3 only) Balders Grove (new commercial standard Boulderdash game - brilliant!)
- G6056 (P) Cash Fruit (probably the best fruit machine ever!)
- G6058 (P) Oblivion (brilliant defender arcade game!)
- G6060 (WB 3 only) Tetris. AGA (Tetris for A1200/4000 only!)
- G6061 (P) Artillerus (Like Tanx but Better - Great Fun !)
- G6062 (P) Zerberk (Great Version of Berzerk !)
- G6063 (P) Son of Blagger (Excellent Platform Game)
- G6064 (P) Solitaire Sampler (5 Full Versions of the Card Game !)
- G6065 (P) Amosloadsamoney (Latest Fruit Machine)
- G6066 (P) (2 Disks) 18th hole (The best golf game available !)

CHILDRENS
- C712 (P) Colour Pad (New colouring book for youngsters)
- C714 Storyland II (Brilliant kids game)
- C719 (P) Total Concepts (2 Disks) (Astronomy & Dinosaur Education Pack - Good!)
- C720 (P) Colour the alphabet (Great education for early learners 4ys+)
- C724 (P) Doody. (Like Mario Bros and very good -NEW!)
- C726 (P) GCSE Maths (Great revision disk)
- C727 (P) Top Secret (Reviewed as the best platform game ever!!)
- C729 (P) Counting Fun (For age 4+, Excellent simple arithmetic practice)
- C730 (P) Wizzys Quest (Wizard, Damsel + Monsters, great game!)



DESKTOP VIDEO PACK 2 (P) (100%) 4 DISKS £4.20
Probably our best pack yet! Provides everything to start you off in video. S Movie for Smooth scrolling titles using any font of any size. Showiz for slideshows with loads of wipes and fades. A-Graph for business videos. Shadow Maker to add shadows and smooth any font. Video Librarian. Video Tools. Video Tests. Loads of fonts and more!!

DESKTOP VIDEO PACK 2 INSTRUCTION MANUAL!!! (P) £2.99
A 50 page instruction manual for DTV pack 2. Professionally printed, contains instructions for all the programs in the pack and a section on fonts and how to use them! Also includes a superb guided tutorial that takes you through the major programs step by step, letting you create your own titles as you go! Designed for beginners and experienced users, this manual will make desktop video easy!

FISH DISKS IN STOCK 350-860 ONLY £1.05 EACH!

FULL CLR RANGE IN STOCK ! SEE CAT DISK FOR DETAILS

HIGH QUALITY HARDWARE

8mm High Quality Mouse Pad	£2.99
Amiga 500/500+/600/1200 Dust Covers	£3.99
Phillips 8833 Monitor Dust Cover	£4.99
3.5" Disk Drive Cleaning Kit	£2.99
Printer Stand (fits all Dot Matrix Printers)	£5.60
Blank Disks (high quality with labels)	£0.50

ANGLIA PUBLIC DOMAIN LIBRARY
(Dept AMF), 30 Victoria Street, Felixstowe IP11 7EW

Access VISA SWITCH CREDIT CARD ORDERS

International orders welcome but please add 30p per disk for post & packing.

PHONE 0394 283 494

Phone your order or send cheque/PO. Please add 60p (per total order) for post and packing.

SEASOFT
The Logical Choice

AM/FM
disk based magazine for Amiga Musicians
Issue 13 now out
£2.50
(1-12 also available)

ACC
AMIGA CODERS CLUB hints, tips and tutorials for all assembly language programmers
£4.00 per issue

OVER 2000 DISKS OF P.D. ALSO AVAILABLE

WHITE RABBITS
Briliant new CLR puzzle game. Save the bunny from fate worse than casserole
£3.50

Latest **ASSASSINS GAMES DISKS** call for list

FRED FISH 1 TO 850

EST 1990
P S D
MEMBER OF THE PROFESSIONAL STANDARDS OF DISTRIBUTION

OctaMED Pro V4.03
Latest version of this famous music editor
Program - £22.00 Manual - £8.50
Program & Manual - £30.00
(non-save demo version - £1.50)
AMFC - £10.00

C.L.R. LICENCEWARE

1 disk titles £3.50, 2 disk titles £4.50, 3 disk titles £4.99
(No.of disks shown in brackets)

SUPERSOUND 3 (1) - sound sampler with many features
CATT (3) - unlock the mysteries of the Tarot
TYPING TUTOR (1) - complete course and speed tests
JUNGLE BUNGLE (1) - kids adventure game
FUN WTH CUBBY (1) - 6 educational games for kids
POWER ACCOUNTS (1) - keep track of your bank a/c
PLAY IT SAFE (1) - teach kids about safety
TIME RIFT (1) - excellent platform game
NIGHT SKY (1) - a must for all stargazers
KINGS & QUEENS (2) - all about English monarchs
ALPHABET TEACH (1) - great for younger children
ACHORD (1) - guitar chord tutor
CHORD COACH (1) - piano chord tutor
PRINTER FONTS - LC10/20 (1), 24-PIN (1), CANON BJ(1)

EDUCATIONAL ENCYCLOPEDIAS
The following disk based encyclopedias cover a range of interesting subjects. Using text, diagrams, drawings & photographs each title is entertaining as well as educational.
DINOSAURS (2), GEOLOGY (2), SOLAR SYSTEM (3)
MESSERCHMIT BF109 (2), FRESH WATER FISHING (2), YOUR FIRST PONY (2)
MANY OTHER CLR TITLES AVAILABLE

LATEST P.D.

V-MORPH (1) - create smooth morphs and worps
KICKSTART 2 (1) - run Dos 2 progs on your 1.3 Amiga
NUMPAD (1) - adds numeric keypad to an A600
KICK 1.3 (1) - run old A500 progs on A600 and A1200
HO1 AGA DEMO (1) - brilliant A1200 only demo
JESUS ON E'S (1) - excellent rave demo
A64 PACKAGE (2) - latest C64 emulator
LEMMINGS REVENGE (2) - 2 meg animation

P.D. PRICES (per disk) 1-4 £1.50, 5-9 £1.25, 10-24 £1.00
Unless otherwise stated all titles work on A500, A500+, A600 & A1200
Please add 50p to all orders for P&P.

SEASOFT COMPUTING
(Dept AF), The Business Centre
First Floor, 80 Woodlands Avenue
Rustington, West Sussex BN16 3EY
Tel - (0903) 850378
9.30am to 7.00pm Mon-Fri (to 5pm Sat)

AM/FM
SPECIAL ISSUE
PRO TRACKER
V3.02
£2.50

A-GENE
The latest version (V4.34) of the best genealogical database available for the Amiga
£15.00

CATALOGUE DISK
£1.25 (INC P&P)
FREE!
with first order

CD-ROMS
CDPD 1 - £19.95
(Fred Fish 1 to 660 etc)
CDPD 2 - £19.95
(Scope, JAM & more Fish)
DEMO CD - £19.95
(Packed with demos etc.)

We also stock **DEJA VU LICENCEWARE** call for list

T-BAG 1 to 71

Access VISA

Lowest Priced Top Quality Ribbons, Inkjets, Toners & Disks

Printer Ribbons

BLACK	1 off	2+	5+	10+
Amstrad DMP 2000/3000	2.80	2.65	2.45	2.25
Amstrad DMP 4000	3.66	3.51	3.31	3.11
AmstradPCW8256/8512/LQ3500	2.85	2.70	2.50	2.30
Brother M1009/1024/1109/1209	3.90	3.75	3.55	3.35
Citizen 120D/LSP10/Swift 24/9	2.85	2.70	2.50	2.30
Commodore MPS1220/1230	4.50	4.35	4.15	3.95
Epson LQ100	4.10	3.95	3.75	3.55
Epson LQ400/500/800/850	3.45	3.30	3.10	2.90
Epson FX/MX/RX80/FX/LX800	2.90	2.75	2.55	2.35
Epson FX/MX/RX100/FX/MX 1000	3.36	3.21	3.01	2.81
Epson LX80/86/90	2.12	1.97	1.77	1.67
Mannesmann Tally 80/81	3.90	3.75	3.55	3.35
NEC Pinwriter P2200	3.03	2.88	2.68	2.48
OKI ML182/183/192/193/195	3.17	3.02	2.82	2.62

BLACK	1 off	2+	5+	10+
Panasonic KXP1123/1124/1140	3.46	3.31	3.11	2.91
Panasonic KXP1080/1180/90/1592	2.89	2.74	2.54	2.34
Panasonic KXP2123/2180	5.75	5.60	5.40	5.20
Star LC10/20/100	2.29	2.14	1.94	1.84
Star LC200	3.00	2.85	2.65	2.45
Star LC24-10/200	2.86	2.71	2.51	2.31
Taxan Kaga KP810/815/910/915	3.14	2.99	2.79	2.59

COLOUR	1 off	2+	5+	10+
Citizen Swift 24	12.81	12.66	12.46	12.06
Panasonic KXP2123/2180	10.63	10.48	10.28	9.88
Star LC10/20/100	6.00	5.85	5.65	5.25
Star LC200	9.78	9.63	9.43	9.03
Star LC24-10/200	9.63	9.48	9.28	8.88

Ring For Ribbons Not Listed.

Ring us and WE WILL BEAT all other Ribbon prices

31/2" Disks & Disk Boxes

	DS/DD	DS/HD
10 Disks	£5	£8
25 Disks	£12	£18
50 Disks	£22	£32
100 Disks	£40	£60
250 Disks	£88	£145
500 Disks	£168	£285

100 Cap. Disk Box £5.99

Preformatted (MS-DOS) disks available at 2p extra/disk.
All Disks Certified 100% Error Free and INCLUDE FREE Labels.

Inkjets, Ink Refills & Toners

Canon BJ-10/20 Cartridge	17.54 each
Commodore MPS1270 Cartridge	12.13 each
HP Deskjet Cartridge (Double Cap)	24.24 each
HP Deskjet Tri-Colour Cartridge	28.89 each
HP Thinkjet/Quietjet Cartridge	12.13 each

Inkjet Refills (Twin Packs) for Canon BJ-10/20, BJ300, HP Deskjet. Available in Black,Cyan, Magenta; Yellow, Red, Blue, Brown, Light Green and Dark Green.
1 Pack £11.00, 2+Packs £10.60 ea, 5+ Packs £9.95 ea.

HP Laserjet II/III Toner Cartridge	49.27 each
HP Laserjet IIP/IIIP Toner Cartridge	49.27 each

Ring For Inkjets & Toner Not Listed.

Miscellaneous Items

Roll 1000 31/2" Disk Labels	8.99
31/2" Disk Cleaning Kit	2.99
Parallel Printer Cable (1.8m)	3.99
CPU & Monitor Dust Cover	5.49
Monitor Dust Cover	4.99
80 Column Printer Dust Cover	3.99
Amiga 500 Dust Cover	3.99
Amiga 600 Dust Cover	3.99
Mouse Mat	2.99

All Prices INCLUDE VAT (@ 171/2%) & UK DELIVERY

0543 250377 Ring us or send cheques to: 0543 250377



Owl Associates Ltd, Dept 90, Owl House, 5 The Brambles, Lichfield, Staffs WS14 9SE

VISA

E & OE

Evesham Micros

WINNER OF TWO PRESTIGIOUS 'PC DIRECT HITS AWARDS' '93

'Customer Service Excellence' *'Support & Service Excellence'*

PRICES INC.DELIVERY & VAT @ 17.5%

HERE TODAY ~ HERE TO STAY

Evesham Micros First. First for choice, prices and service. Established for over ten years, with a strong financial status and secure future. Our Computerised Telesales Order Processing investment means fast, efficient service. Well appointed Retail Showrooms with large product range on display. Our huge Customer database, high percentage of repeat custom and personal referrals underlines our popularity. *REMEMBER* - when you need us, we will still be here. Our extensive expansion program means we could eventually be there as well ...

HOW TO ORDER....

Call us now on 0386 765500

TELESALES OPENING TIMES:
9am – 7pm Monday-Friday
9am – 5.30pm Saturday

Send Cheque, Postal Order or Access/Visa/Switch/AmEx card details to:
Evesham Micros Ltd., Unit 9, St Richards Road, Evesham, Worcs. WR11 6TD

..... or *FAX* your Order with Access, Visa, Switch, AmEx card details to us on: **0386•765354**

Government, Education & PLC orders welcome • Same day despatch whenever possible • Prices include delivery (UK Mainland only) • Express Courier delivery (UK Mainland only) £6.50 extra • Please note that 5 banking days must be allowed for cheque clearance. Immediate clearance on Bank Drafts • Credit card orders: We do not charge the card until the goods are despatched.

Cards Welcome

SWITCH · Access · VISA · American Express

Always A Good Sign

RETAIL SHOWROOMS

Normal Opening times: Monday-Saturday, 9.00-5.30
Late Night Opening Until 7pm Wednesday-Friday

EVESHAM
Unit 9 St Richards Rd, Evesham
Worcs WR11 6TD
☎ 0386•765180
fax: 0386 765354

BIRMINGHAM
251-255 Moseley Rd, Highgate
Birmingham B12 0EA
☎ 021•446 5050
fax: 021 446 5010

CAMBRIDGE
5 Glisson Road, Cambridge
CB1 2HA
☎ 0223•323898
fax: 0223 322883

MILTON KEYNES
320 Witan Gate, Milton Keynes
MK9 2HP
☎ 0908•230898
fax: 0908 230865

TECHNICAL SUPPORT ☎ 0386-40303
Monday to Friday, 10.00 - 5.00

1 YEAR WARRANTY ON ALL GOODS

Details correct at time of going to press • All goods subject to availability

AMIGA 500 SOLDERLESS RAM UPGRADES

A500 512K RAM/CLOCK UPGRADE

ONLY £19.99 INC. VAT AND DELIVERY

ALSO WITHOUT CLOCK FOR ONLY: **£16.99**

☆ CONVENIENT ON / OFF MEMORY SWITCH ☆ AUTO-RECHARGING BATTERY BACKED REAL-TIME CLOCK ☆ COMPACT, ULTRA-NEAT DESIGN

'A500 PLUS' 1MB RAM UPGRADE

THE *FASTEST* AND EASIEST WAY TO UPGRADE YOUR A500+ TO 2MB RAM!

Simply Plugs into trapdoor expansion area ☆ Increases total RAM capacity to 2Mb 'ChipRAM' ☆ RAM On/Off Switch ☆ Compact unit size ☆ Only 8 low power RAM IC's ☆ High reliability

ONLY £42.99

1.5MB RAM BOARD

UPGRADE TO 2MB FOR ONLY £69.99!

Fully populated board increases total RAM in A500 to 2Mb! ☆ Plugs into trapdoor area, & connects to 'GARY' chip ☆ Includes Battery-Backed Real-Time Clock ☆ Socketed RAM ICs on 512K / 1Mb Versions

Unpopulated RAM board with clock .... £ 34.95
With 1.5Mb FASTRAM installed..... £ 69.99

N.B.: The expansion board requires Kickstart 1.3 to operate - Kickstart 1.3 upgrade available from us for £29.95

'MEGABOARD'

With our MEGABOARD, you can further expand your A500's memory to *a total of 2MB* without disposing of your existing 512K upgrade (must be 4 x RAM-chip type, or not exceeding 9cm in length).

CONNECTS TO YOUR 512K RAM UPGRADE TO GIVE 1.5MB

ONLY £47.99

MEGABOARD needs Kickstart 1.3 to operate (Kickstart 1.3 upgrade available from us for £29.95). Installation requires connection to the GARY chip. Easy to follow instructions provided.

ROCGEN GENLOCKS

OFFERING EXCEPTIONAL VALUE FOR MONEY, the Rocgen Genlocks offer levels of quality, function and sophistication not normally available in this price category.

Genlock Plus

SPECIAL OFFER! ROCGEN MK.II INCLUDES 'HOME TITLER' SOFTWARE FOR A500

GENLOCK MK.II ONLY £79.99 **GENLOCK PLUS ONLY £149.99**

NEW PHILIPS TV/MONITOR

With its dedicated monitor input, this model combines the advantages of a high quality 15" medium resolution colour monitor with the convenience of remote control Teletext TV - at an excellent low price ! Features dark glass screen for improved contrast.

£249.00 Including VAT, delivery & cable

Philips CM8833 Mk.II Monitor (Genuine UK version), includes cable, 1 Year on-site maintenance and 'Lotus Esprit Turbo 2' game .... £ 229.00

PRINTERS

Prices Include VAT, Delivery and Connection Cable

ALL EVESHAM MICROS STAR PRINTERS INCLUDE 12 MONTHS ON-SITE WARRANTY

Star LC 20 Successor to LC 10, 4 fonts, 180/44cps	£ 129.99
Star LC 100 Entry level 9-Pin Colour, 4 fonts	£ 168.03
Star LC 200 9-Pin Colour, 4 fonts, 180/45cps	£ 198.58
Star LC 24-100 24-Pin, 5 fonts, 192/64cps	£ 196.23
NEW! **Star LC 24-20 MkII** 24-Pin, 210cps high speed draft	£ 229.13
Star LC 24-200C Superb 24-Pin Colour, 5 fonts, 200/67cps	£ 276.13
Automatic Sheet Feeder for 10" **LC** printers (pls.state model)	£ 64.95
Star XB24-200 COLOUR 24-pin, 80 col. power printer	£ 405.38
Star XB24-250 132 column version of XB24-200	£ 492.33

Citizen 240 COLOUR printer	£ 299.99
NEW! **Hewlett-Packard Deskjet 510**	£ 327.83
Hewlett-Packard Deskjet 500C Colour	£ 445.33
Hewlett-Packard Deskjet 550C Colour	£ 645.08
Canon BJ-10SX Inkjet Printer	£ 233.83
NEW! **Canon BJ-200 Inkjet Printer** 360dpi, upto 240cps, 8 fonts, 80-sheet feeder, IBM and Epson emulation	£ 339.58
Epson LX400 budget 10" carriage 9-pin 180/25cps	£ 139.00
Epson LQ100 24-pin 180/60cps, 8k buffer	£ 205.00
Panasonic KXP1124i uprated 24-pin model 300/100cps	£ 279.00
Panasonic KXP2123 good value 24-pin colour model	£ 269.08

3½" EXTERNAL FLOPPY DRIVES

AMAZING LOW PRICE! **£52.99** including VAT & delivery

- Very quiet
- Slimline design
- Suits any Amiga
- Cooling vents
- Sleek, high quality metal casing
- Quality Citizen/Sony drive mechanism
- Enable / Disable switch
- Full 880K Formatted Capacity
- Long reach connection cable
- Throughport facility for addition of further drives

REPLACEMENT A500 INTERNAL 3.5" DRIVE KIT

Fully compatible, with 1Mb unformatted capacity. Straightforward installation procedure. Kit includes full fitting instructions.

ONLY £44.99

EveshamMicros ● CALL US NOW ON (0386) 765500 ●

TOP VALUE 400dpi HANDY SCANNER

QUALITY SCANNING - AT THE RIGHT PRICE !



Now includes DAATASCAN PROFESSIONAL VERSION 3 and THE PUBLISHER DeskTop Publishing software

At a genuine 400dpi scanning resolution, this scanner produces truly superb quality scans. Has a full 105mm scanning width, variable brightness control and 100 / 200 / 300 / 400dpi resolution. **Daatascan Professional Version 3**- scanning *and* editing software allows real-time scanning in either line art or in up to 64 simulated grey scales. Provides powerful editing features and excellent compatibility with most DTP and Paint Packages, eg. Deluxe Paint 4, Touch-Up. Also supplied is **The Publisher** DeskTop Pubishing package, ideal for incorporating your scanned images into flyers and newsletters.

STILL ONLY £99.99

TRUEMOUSE



WE GUARANTEE that this is the smoothest, most responsive and accurate replacement mouse you can buy for the Amiga. Excellent performance, now with a 300dpi resolution. Amazing new price!

£14.99 SATISFACTION GUARANTEED

GOLDEN IMAGE OPTICAL MOUSE Amiga/ST compatible - excellent travel+accuracy assured. **NEW LOW PRICE!**.. £ 29.00

TRACKBALL



High performance trackball, directly compatible to any Amiga or Atari ST. Plugs into mouse or joystick port. Super-smooth and accurate - you probably won't want to use a mouse again after using this Trackball ! Full one-handed control. Top quality opto-mechanical design, giving high speed and accuracy every time. No driver software needed !

ONLY £29.95

NEW! A500 ROM SWITCHER

SWITCHING BETWEEN VERSIONS OF KICKSTART ON YOUR A500 IS EASY WITH OUR NEW ROM SWITCHER!

You can improve software compatibility on your A500 Plus! By fitting our ROM switcher, you can alternate between the Kickstart 2 already resident and another version of Kickstart ROM chip, giving you the freedom of choice. Fitting is very simple indeed, and requires *no soldering* or special technical knowledge. Fitting allows two methods of switching; either by keyboard reset, or by an external toggle switch. **N.B. Kickstart ROM not supplied. A500 Revision 5 boards will require circuit modification.**

ONLY £24.95

Kickstart 1.3 ROM supplied separately..........only £29.95
Kickstart 2.0 ROM supplied separately..........only £39.95
A500 Revision 5 PCB Circuit Modification Service..........£29.95

ZY-FI Amplified Stereo Speakers

REALISE THE TRUE SOUND POTENTIAL OF YOUR AMIGA WITH THIS PAIR OF FULL RANGE SPEAKERS !

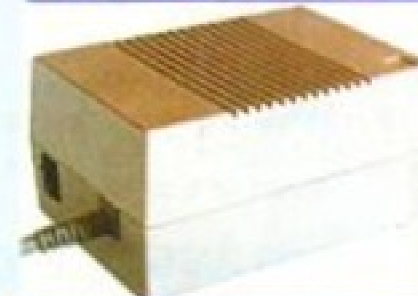


Your Amiga produces fine quality hi-fi stereo sound. Enjoy quality stereo sound reproduction *to the full* with this new design twin speaker system! Incorporates a built-in amplifier with separate adjustable volume controls for each speaker unit. Runs from PSU (supplied) or from batteries (not included).

Speaker Dimensions 160x95x105mm (HxWxD)

ONLY £39.95

REPLACEMENT POWER SUPPLIES



Genuine Commodore Amiga A500 type replacement Power Supply Unit. Good quality 'switch mode' type. Super low price!

ONLY £39.95

Replacement Power Supply for A590 Hard Disk..........£ 49.95

ACCESSORIES

MIDI Interface connects to serial port	£ 19.95
Virus Protector fits to last drive in system, protectng all drives	£ 6.95
VIDI-12 Amiga video digitiser package inc. VIDI-Chrome	£ 110.00
Amiga 500 Dust Cover	£ 4.95
Amiga 600 Dust Cover	£ 4.95

SOFTWARE

Digita Wordworth	£ 99.00	MR Backup	£ 29.95
Kind Words 3	£ 49.95	AMOS	£ 37.50
Protext V5.5	£ 120.00	HiSoft Lattice C	£ 199.00
Home Accounts V2	£ 49.00	GFA BASIC Compiler	£ 24.95
Deluxe Paint 4	£ 79.99	Devpac 2.15	£ 44.95
Deluxe Video 3	£ 84.95	Workbench Management	£ 9.95

R Reference A500 HARD DISKS

All the features ...without the price

AMIGA FORMAT March 1993 Verdict 84%

"Very attractive indeed - you get a good deal for a decent drive."

40Mb MODEL ONLY £229
100Mb MODEL ONLY £329

2Mb RAM Version: ADD £70.50
4Mb RAM Version: ADD £141.00

Reference Add-On Hard Drive
Cased Hard Disk with power supply
40Mb...£199 100Mb...£299

- ★ SCSI HARD DISK MECHANISMS for *optimum performance*, fast Access Time & Autoparking
- ★ Includes its own DEDICATED PSU. CBM recommends against use of Hard Disks without independent power supply.
- ★ Option for up to 4MB additional easy RAM EXPANSION, using 'SIMMS'
- ★ COOL.... by popular demand, we have fitted a Cooling Fan!
- ★ GAME SWITCH allows Games to be loaded without disconnection
- ★ Includes SCSI THROUGHPORT at rear for further expansion
- ★ Compatible with Reference Add-On Hard Drive and Reference RAM unit
- ★ High quality metal casing, colour and style matched to the Amiga 500
- ★ Includes 'HD Setup 3' (external SCSI low level format and partition utility) and 'MRBACKUP PRO' (backup utility)

R Reference A500 RAM UNIT

- ☆ RAM access LED
- ☆ RAM test/run switch
- ☆ Uses 1Mb 4-bit ZIPS
- ☆ Style matched to the A500
- ☆ Very low power consumption
- ☆ Throughport for further expansion
- ☆ Compatible with A590 and most other SCSI Hard Drives (please call to check)
- ☆ Optional PSU (allows Amiga to power other devices)
- ☆ Available fitted with 2Mb, 4Mb, or fully populated with 8Mb

Incorporating the latest 'ZIP' DRAM technology, our External Memory Upgrade allows the A500 / A500+ to be upgraded by up to a further 8Mb of auto-configuring FASTRAM.

N.B. Any memory fitted to this unit is in addition to that on your machine already, to a maximum of 8Mb on the external unit.

With 2MB fitted...£112.99 with 4MB...£159.99 with 8MB...£259.99

PARTIALLY POPULATED UNITS EXPAND TO 8MB WITH 2MB MODULES, AVAILABLE SEPARATELY AT ONLY £89.99 PER 2MB • OPTIONAL POWER SUPPLY £14.95

AMIGA 600 EXCITING NEW PACKS AMIGA 600

STANDARD PACK

With 12 months on-site maintenance

ONLY £199.99

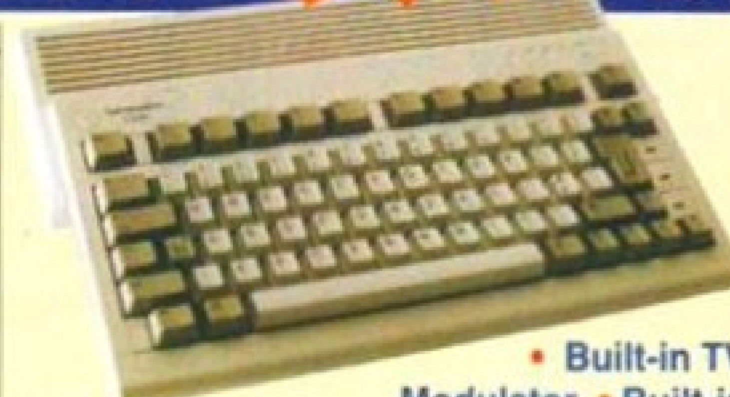
2MB RAM/CLOCK VERSION £239.99

WILD WEIRD WICKED PACK

Features: 20Mb Hard Disk • Push-over • Grand Prix • Putty • Delux Paint III • 12 months on-site maintenance

ONLY £229.99

2MB RAM/CLOCK VERSION £269.99



• Built-in TV Modulator • Built-in IDE Hard Disk Controller • Kickstart 2 • 1Mb ChipRAM • Accepts Memory Cards

4MB RAM CARD
For any A600.........£189.00

STANDARD PACK

Special Hard Disk Model

Supplied with Evesham Micros fitted 60Mb Hard Disk.

Please note that the Hard Disk installation is not covered by on-site maintenance

ONLY £364.99

2MB RAM/CLOCK VERSION £404.99

EPIC PACK

40Mb Hard Disk • 12 months on-site maintenance

ONLY £389.99

2MB RAM/CLOCK VERSION £429.99

AMIGA 1200

KickStart/Workbench 3.0 • Fast 68020 processor • AGA chipset • CPU/DMA expansion port • PCMCIA expansion slot **£379.99**

Hard Disk Model With Evesham Micros fitted 60Mb Hard Disk. **£549.99**

UPGRADE YOUR OWN A600/1200 TO HARD DISK

Bring the benefits of a Hard Disk installation to your existing Amiga 600/1200 with our easy to fit upgrade.

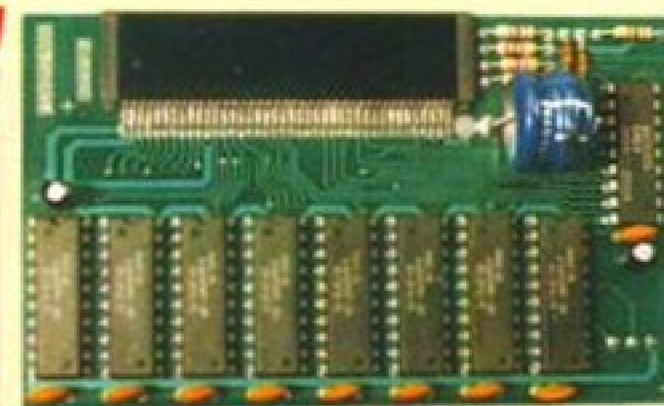
60Mb kit....£229.00

A600 1MB RAM/CLOCK UPGRADE

UPGRADE YOUR NEW A600 TO 2Mb WITH THIS SIMPLE PLUG-IN MEMORY UPGRADE!

- ☆ Simply Plugs into the A600's trapdoor expansion area
- ☆ Increases total RAM capacity of A600 to 2Mb 'ChipRAM'
- ☆ RAM Enable / Disable Switch
- ☆ Battery-Backed Real-Time Clock

ONLY £44.99



Evesham Micros • CALL US NOW ON (0386) 765500 • Evesham Micros • CALL US NOW ON (0386) 765500 • Evesham Micros

Ameagre Prices for Amiga Users

Games

1869 (1MB)	21.95
1869 (AMIGA 1200) (1MB)	21.95
3D CONSTRUCTION KIT 2 (1MB)	35.99
4TH & INCHES	7.95
A-TRAIN (1MB)	24.95
A-TRAIN CONSTRUCTION SET	12.95
ABANDONED PLACES 2 (1MB NOT1200)	24.95
ADVANCED DESTROYER SIM	7.95
AIR SEA SUPREMACY (COMP) (NOT1200)	22.95
AIR SUPPORT	17.95
ALIEN 3 (1MB)	21.95
ALIEN BREED - SPECIAL EDITION '92 (1MB)	8.95
AMIMATION CLASSICS (1MB)	33.75
AMOS PROFESSIONAL (1MB)	37.95
AMOS PROFESSIONAL COMPILER (1MB)	24.95
ANCIENT ART OF WAR IN THE SKIES (1MB)	24.95
ANOTHER WORLD	18.95
AQUATIC GAMES	18.95
ARABIAN NIGHTS	18.95
ARCHER MACLEANS POOL	18.95
ARKANOID II - REVENGE OF DOH	6.96
ARSENAL - THE COMPUTER GAME	18.95
ASSASSIN (1MB)	18.95
ATAC (1MB)	24.95
B-17 FLYING FORTRESS (1MB)	24.95
BANE OF THE COSMIC FORGE (1MB)	27.95
BARDS TALE 3	8.95
BARDS TALE CONSTRUCTION KIT (1MB)	21.95
BATMAN - CAPED CRUSADER	6.96
BATMAN - THE MOVIE	6.96
BATTLE CHESS	8.95
BATTLE ISLE	22.95
BATTLE ISLE - SCENARIO DISK VOL 1	15.75
BATTLE OF BRITAIN - Their Finest Hour (1MB)	22.95
BATTLE TOADS	18.95
BATTLEHAWKS 1942 (NOT+)	12.95
BC KID	18.95
BEACH VOLLEY (NOT1200)	6.96
BIG RUN	15.96
BIRDS OF PREY (1MB)	24.95
BITMAP BROTHERS - VOLUME 1 (NOT600)	18.95
BODY BLOWS (1MB)	19.95
BOSTON BOMB CLUB	7.95
BRAIN BLASTER	6.96
BUBBLE BOBBLE	6.96
BUBBLE DIZZY	6.96
CAESAR (1MB NOT1200)	21.95
CAMPAIGN	24.95
CAMPAIGN 2 (1MB)	24.95
CAMPAIGN MISSION DISKS	12.95
CAPTAIN DYNAMO	6.96
CARDIAXX	14.95
CARRIER COMMAND (NOT1200)	7.95
CASTLES (1MB)	21.95
CHAMPIONSHIP MANAGER '93 (1MB)	18.95
CHAOS ENGINE (1MB)	18.95
CHESS CHAMPION 2175	15.75
CHESSMASTER 2100	12.95
CHUCK ROCK 2 - SON OF CHUCK	18.95
CISCO HEAT	9.95
CIVILIZATION (1MB)	24.95
COMBAT AIR PATROL (1MB)	21.95
COMBAT CLASSICS (1MB)	21.95
COUNT DUCKULA 2	6.96
CRAZY CARS 3	18.95
CREATURES	18.95
CREEPERS (NOT1200)	21.95
CRYSTAL KINGDOM DIZZY	15.75
CURSE OF ENCHANTIA (1MB)	24.95
CYBERSPACE (1MB)	24.95
D-DAY	21.95
D-GENERATION (1MB)	12.95
DALEK ATTACK	13.95
DALEY THOMPSON'S OLYM. CHALLENGE	6.96
DEATH KNIGHTS OF KRYNN (1MB)	22.95
DELIVERANCE	18.95
DELUXE PAINT IV AGA	69.95
DESERT STRIKE	21.95
DIZZY COLLECTION	18.75
DIZZY PANIC	6.96
DIZZY'S EXCELLENT ADVENTURES	18.75
DONK	12.95
DOODLEBUG	18.95
DOUBLE DRAGON II (NOT1200)	7.95
DRAGONS LAIR III-Curse of Mordread (NOT1200)	21.95
DREADNOUGHTS	25.99
DREADNOUGHTS - BISMARCK	12.95
DREADNOUGHTS - IRONCLADS	12.95
DREAM TEAM	18.95
DREAMWEB (1MB)	24.95
DUNE II (1MB)	22.95
DUNGEON MASTER/CHAOS Strikes Back (1MB)	21.95
DYNA BLASTER	22.95
EASY AMOS (1MB)	24.95
EMLYN HUGHES INT. SOCCER (NOT1200)	7.95
ESCAPE FROM PLANET of ROBOT MONSTERS	6.96
ESPANA - THE GAMES '92 (NOT1200)	21.95
EURO FOOTBALL CHAMP	18.95
EUROPEAN CHAMPIONSHIPS 1992	18.95
EYE OF THE BEHOLDER I (1MB)	22.95
EYE OF THE BEHOLDER II (1MB)	25.99
F-16 COMBAT PILOT (NOT1200)	7.95
F-19 STEALTH FIGHTER (1MB NOT600)	13.95
FA PREMIERE LEAGUE FOOTBALL	18.95
FALCON	7.95
FALCON - COUNTERSTRIKE DATA DISK	7.95
FALCON - FIREFIGHT DATA DISK	7.95
FANTASTIC WORLDS (COMP) (NOT1200)	25.99
FANTASY WORLD DIZZY	6.96
FIRE AND ICE	18.95
FIRE FORCE (NOT1200)	18.95
FIRE HAWK	15.75
FIRST DIVISION MANAGER (NOT600)	6.96
FLASHBACK (1MB)	22.95
FLIGHT OF THE INTRUDER (NOT+)	12.95
FLIMBO'S QUEST (NOT+)	7.95

hundreds more titles in stock!



Please note

NOT+ means software is not compatible with the following models: **500 Plus, 600, 1200**

FOOTBALL DIRECTOR 2 (1MB)	7.95
FOOTBALL MANAGER 3	18.95
FORMULA 1 GRAND PRIX (1MB)	24.95
GAUNTLET III	14.99
GHOULS 'N' GHOSTS (NOT600)	6.96
GOAL	22.95
GOBLIINS 2	21.95
GRAHAM GOOCH World Class Cricket (1MB)	21.95
GRAHAM TAYLOR'S SOCCER (1MB)	18.95
GUNSHIP 2000	24.95
HARRIER ASSAULT (1MB)	24.95
HEAD OVER HEELS	6.96
HEROQUEST	7.95
HEROQUEST - TWIN PACK	21.95
HEROQUEST 2	18.95
HIRED GUNS	21.95
HISTORY LINE (1914-1918) (1MB)	24.95
HOT HATCHES	18.95
HUCKLEBERRY HOUND	6.96
HUMANS - JURASSIC LEVELS (STAND ALONE)	21.95
IK+	6.96
INDIANA JONES & FATE ATL. (ACT) (1MB)	18.95
INDIANA JONES & FATE ATL. (ADV) (1MB)	27.95
INDIANA JONES & L. CRUSADE (ACT)	6.96
INDIANA JONES & L. CRUSADE (ADV)	12.95
INTERNATIONAL GOLF	6.96
INTERNATIONAL OPEN GOLF	18.95
INTERNATIONAL RUGBY CHALLENGE	18.95
INTERNATIONAL TRUCK RACING	6.96
ITALY 1990	6.96
JAMES POND	6.96
JIM POWER	15.96
JOE & MAC - CAVEMAN NINJA (1MB)	18.95

Games Centre

Mon - Fri 10am to 8pm
Saturday 10am to 4pm

2 mins from Old St. Tube - take exit 2

Try before you buy at mailorder prices

JOHN MADDEN'S FOOTBALL	18.95
KEYS OF MARAMON	9.95
KGB (1MB)	22.95
KICK OFF II (1 MEG)	18.95
KID PIX (NOT1200)	18.95
KNIGHTS OF THE SKY (1MB)	24.95
LEEDS UNITED CHAMPIONS	18.95
LEGEND (1MB)	12.95
LEGEND OF KYRANDIA (1MB NOT1200)	25.99
LEMMINGS (ORIGINAL)	18.95
LEMMINGS 2 (1MB NOT1500)	21.95
LEMMINGS DOUBLE PACK	21.95
LEMMINGS LEVELS (ADD-ON VERSION)	15.75
LIFE & DEATH	12.95
LINKS - BAYHILL	14.95
LINKS - FIRESTONE	14.95
LINKS - HYATT DORADO	14.95
LIONHEART (1MB)	20.95
LIVERPOOL FOOTBALL	18.95
LOMBARD RAC RALLY	6.96
LOST VIKINGS	21.95
LOTUS ESPRIT TURBO CHALLENGE	7.95
LOTUS III - THE ULTIMATE CHALLENGE (1MB)	18.95
LOTUS TURBO CHALLENGE II	7.95
MAELSTROM	24.95
MANCHESTER UNITED EUROPE	18.95
MANIAC MANSION	10.95
MAVIS BEACON TEACHES TYPING V.2	21.95
MCDONALD LAND	18.95
MEGA SPORTS	18.95
MEGA-LO-MANIA / FIRST SAMURAI (NOT1200)	22.95
MEGATRAVELLER 2 (1MB)	21.95
MERCENARY 3	14.95
MERCS	7.95
MICROPROSE GOLF (1MB)	24.95
MIDNIGHT RESISTANCE (NOT+)	6.96

MINI OFFICE (1MB)	49.95
MOONWALKER (NOT+)	6.96
MORPH (1MB)	18.95
MORPH (AMIGA 1200)	18.95
NICK FALDOS CHAMPIONSHIP GOLF (1MB)	24.95
NIGEL MANSELL'S World Championship (1MB)	21.95
NINJA REMIX	7.95
NO SECOND PRIZE (NOT600)	18.95
NODDYS PLAYTIME (1MB)	18.75
NORTH & SOUTH	6.96
OMAR SHARIF'S BRIDGE (1MB)	24.95
OPERATION STEALTH	12.95
OPERATION THUNDERBOLT	6.96
OUTLANDER	22.95
PACIFIC ISLANDS	21.95
PANG (NOT600)	6.96
PANZA KICK BOXING	7.95
PEN PAL	39.95
PERFECT GENERAL (1MB)	24.95
PERFECT GENERAL - WW2 DATA DISK (1MB)	15.75
PGA TOUR GOLF - COURSES DISK	12.95
PGA TOUR GOLF PLUS	21.95
PICTIONARY	6.96
PINBALL DREAMS	18.95
PINBALL FANTASIES (1MB)	21.95
PIRACY ON THE HIGH SEAS (1MB)	21.95
PIRATES	10.95
PLAYDAYS	18.75
POPULOUS II - DATA DISK	12.95
POPULOUS II PLUS (1 MEG)	24.95
POPULOUS/PROMISED LANDS	10.95
POSTMAN PAT 3	6.96
PREMIER MANAGER	18.95
PRIME MOVER	21.95
PRINCE OF PERSIA	6.96
PROJECT X (1MB)	18.95
PUTTY (1MB)	18.95
QUATTRO POWER MACHINES (COMP)	6.96
R.B.I. BASEBALL 2	6.96
RAILROAD TYCOON (1MB)	24.95
RAINBOW COLLECTION (NOT1200)	15.75
RAINBOW ISLANDS	6.96
RAVING MAD	18.95
REACH FOR THE SKIES	22.95
RICK DANGEROUS I	6.96
RICK DANGEROUS II	7.95
ROAD RASH	18.95
ROBOCOD (NOT1200)	18.95
ROBOCOP III	18.95
ROME (AD 92)	21.95
RUGBY COACH	9.95
RVF HONDA	7.95
SABRE TEAM (1MB)	18.95
SCRABBLE	20.95
SECRET OF MONKEY ISLAND (1MB NOT600)	18.95
SECRET OF MONKEY ISLAND II (1MB)	27.95
SENSIBLE SOCCER 92/93	18.95
SHADOWORLDS (1MB)	18.95
SHOE PEOPLE	7.95
SHOOT 'EM UP CONSTRUCTION KIT	7.95
SHUTTLE (1MB)	22.95
SILENT SERVICE II (1MB)	24.95
SIM ANT	24.95
SIM CITY - ARCHITECTURE 1	7.95

SIM CITY - ARCHITECTURE 2	7.95
SIM CITY DELUXE	25.99
SIM CITY/POPULOUS	21.95
SIM LIFE	21.95
SLEEPWALKER (1MB)	21.95
SLEEPWALKER (AMIGA 1200)	21.95
SLICKS	6.96
SMASH TV	6.96
SNOW BROS	18.95
SOCCER KID	18.95
SOOTY & SWEEP	6.96
SPACE CRUSADE - DATA DISK	15.75
SPACE CRUSADE PLUS MISSION DISK	18.95
SPACE LEGENDS (1MB)	21.95
SPECIAL FORCES	15.75
SPORTS MASTERS (COMP)	21.95
STAR BLADE	7.95
STEG THE SLUG	6.96
STRATEGY MASTERS	24.75
STREET FIGHTER (NOT+)	7.95
STREET FIGHTER 2 (1MB)	20.95
STRIDER	6.96
STRIKE FLEET	10.95
STRIKER (1MB)	18.95
STRIKER MANAGER	7.95
STUNT CAR RACER	6.96
SUPAPLEX	6.96
SUPER CAULDRON	21.95
SUPER FROG (1MB)	19.95
SUPER MONACO G.P.	7.95
SUPER OFF ROAD (NOT1200)	7.95
SUPER TETRIS (1MB NOT1200)	17.95
SUPERCARS (NOT1200)	6.96
SUPERCARS II (NOT1200)	7.95
SUPERFIGHTERS (COMP)	18.95
SUPERHERO (1MB)	21.95

SWITCHBLADE II	7.95
SWIV	7.95
TEAM SUZUKI	6.96
TERMINATOR II	6.96
THE GREATEST (COMP) (1MB)	24.75
THOMAS THE TANK ENGINE	6.96
THOMAS THE TANK ENGINE 2	6.96
TINY SKWEEKS	18.95
TOYOTA CELICA	6.96
TREASURE ISLAND DIZZY	4.49
TREASURES OF SAV. FRONTIER (1MB)	24.75
TRIVIAL PURSUIT	6.96
TROLLS (1MB)	18.95
TROLLS (AMIGA 1200)	18.95
TURRICAN	6.96
TURRICAN II	6.96
TV SPORTS BOXING	12.95
TWILIGHT 2000	24.95
ULTIMA 6 (1MB NOT600)	15.96
UNIVERSAL MONSTERS	18.95
VIKINGS (1MB)	18.95
VIZ	7.95
VROOM (NOT1200)	18.95
WALKER	21.95
WAR IN THE GULF (1MB)	21.95
WAXWORKS (1MB)	24.95
WING COMMANDER I (1MB)	24.95
WIZKID	18.95
WORLD CLASS LEADERBOARD	7.95
WWF EUROPEAN RAMPAGE	18.95
X-OUT	6.96
Z-OUT	6.96
ZAK MCKRACKEN	10.95
ZOOL (1MB)	18.95
ZOOL (AMIGA 1200)	18.95

Educational

CAVE MAZE	10.95
FRACTION GOBLINS	10.95
MATHS DRAGONS	10.95
PICTURE FRACTIONS	10.95
REASONING WITH TROLLS	10.95
TIDY THE HOUSE	10.95
ANSWER BACK JUNIOR QUIZ (6-11)	16.99
ANSWER BACK SENIOR QUIZ (12-AD)	16.99
FRENCH MISTRESS	16.99
GERMAN MASTER	16.99
ITALIAN TUTOR	16.99
MATHS ADVENTURE (6-14)	21.95
SPANISH TUTOR	16.99
MEGA MATHS (A LEVEL)	19.95
MICRO ENGLISH (8-GCSE)	19.95
MICRO FRENCH (BEGINNERS-GCSE)	19.95
MICRO GERMAN (Beginners-GCSE-Business)	19.95
MICRO MATHS (11-GCSE)	19.95
MICRO SCIENCE (8-GCSE)	19.95
PRIMARY MATHS COURSE (3-12)	19.95
READING WRITING COURSE (3-8)	19.95
ALVINS PUZZLES	15.75
PAINT POT 2	15.75
SHOPPING BASKET	15.75
WHICH? WHERE? WHAT?	15.75
BETTER MATHS (12-16)	18.95
BETTER SPELLING (8-ADULT)	18.95
JUNIOR TYPIST (5-10)	13.95
MAGIC MATHS (4-8)	18.95
MATHS MANIA (8-12)	18.95
THE THREE BEARS (5-10)	18.95
ADI ENGLISH (11-12)	18.95
ADI ENGLISH (12-13)	18.95
ADI ENGLISH (13-14)	18.95
ADI ENGLISH (14-15)	18.95
ADI FRENCH (11-12)	18.95
ADI FRENCH (12-13)	18.95
ADI FRENCH (13-14)	18.95
ADI FRENCH (14-15)	18.95
ADI JUNIOR COUNTING (4-5)	15.75
ADI JUNIOR COUNTING (6-7)	15.75
ADI JUNIOR READING (4-5)	15.75
ADI JUNIOR READING (6-7)	15.75
ADI MATHS (11-12)	18.95
ADI MATHS (12-13)	18.95
ADI MATHS (13-14)	18.95
ADI MATHS (14-15)	18.95
FUN SCHOOL 2 (6-8)	6.96
FUN SCHOOL 2 (UNDER 6 or OVER 8)	6.96
FUN SCHOOL 3 (5-7)	18.75
FUN SCHOOL 3 (OVER 7)	18.75
FUN SCHOOL 3 (UNDER 5)	18.75
FUN SCHOOL 4 (5-7)	18.75
FUN SCHOOL 4 (7-11)	18.75
FUN SCHOOL 4 (UNDER 5'S)	18.75
MERLIN'S MATHS (7-11)	18.95
PAINT AND CREATE (OVER 5'S)	18.95
SPELLING FAIR (7-13)	18.95

3.5" Disks



Qty	DSDD	DSHD
10	5.30	7.80
20	10.35	15.35
25	12.65	18.25
30	14.75	21.80
35	16.90	25.20
40	18.95	28.60
45	21.10	32.10
50	22.95	34.40
80	36.35	52.30
100	41.70	61.90
120	49.40	72.40
150	60.95	90.25
200	78.75	115.75
250	97.30	143.30
300	116.30	170.75
400	154.50	221.70
500	184.65	269.65
600	223.50	320.60
1000	364.30	524.40
2000	728.50	1018.75
3000	1065.75	1498.15
4000	1401.45	1957.50
5000	1726.80	2396.85
10000	3325.20	4713.70

All our disks are fully guaranteed and include labels.

Miscellaneous

4-Player adaptor	6.96
Head Cleaner (3.5")	3.75
Mouse	14.75
Mouse House	2.95
Mouse Mat	2.95
SCART cable	9.49
Workstation for 500 & 500+	42.95
Workstation for 600	37.95
Workstation for 1200	39.95
(Workstations include mouse mat, mouse house and dust cover)	

Disk Boxes

10	Slimpack	0.94
40		4.95
50		5.60
80		6.30
100		6.80
120		8.75
150		10.95
150	Deluxe Stackable	21.95

Joysticks

125+	9.00
Amiga Analogue Adaptor (use any PC analogue joystick on Amiga)	4.99
Competition Pro 5000 - black	13.75
Freewheel - analogue	36.00
Freewheel - digital	27.00
Maverick 1 (QS128F) or 1M (SQ138F)	13.75
Megastar A/F (SV133)	22.00
Navigator A/F	13.75
Python 1 (QS130F)	9.25
Python 1M (QS137F)	9.75
Quickjoy 1 Turbo (SV121)	7.95
Speedking A/F	11.00
Speedking Analogue	13.50
Star Probe	13.50
Supercharger (SV123)	9.00
The Bug (black or green)	13.50
Topstar (SV127)	21.50

Hardware

A500 Expansion upgrade with clock	0.5Mb	27.95
A500 Expansion upgrade without clock	0.5Mb	24.95
A500plus RAM upgrade	1Mb	56.95
A600 Expansion upgrade with clock	1Mb	51.95
Parallel port extension cable		6.80
Parallel printer cable (2m)		8.60
Roboshift (Auto mouse/joystick switch)		14.75
Zi-Fi Stereo Speakers		37.95
Zydec Scanner		117.95

DataGEM

has supplied computer hardware and software to tens of thousands of satisfied customers since 1987

Amiga Atari PC Sega

Trust **us** to have all you need

NOBODY DOES IT FASTER

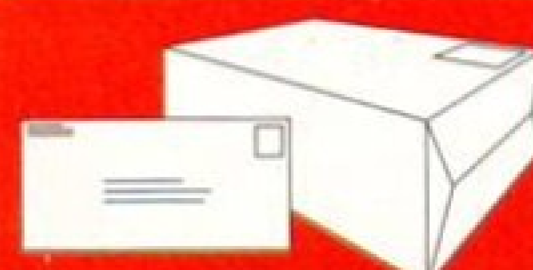
7 days a week. No credit card surcharges
Prices include VAT and UK mainland postage

Credit card orders 10 am to 10 pm

071 608 0624

7 days a week (not an answerphone)

You can also FAX your order to 071 608 0688



Cheques/postal orders to **DataGEM Limited**
Department AF, 23 Pitfield Street, London N1 6HB

Prices include UK postage and VAT and are effective until 21st July 1993. On overseas orders, postage is charged at cost. New titles will be sent as released and are subject to manufacturers' price reviews. All orders taken subject to our standard terms and conditions. E.&O.E.

Workbench

Is there anyone who isn't considering buying an A1200 or A4000? One or two, as **Pat McDonald** answers some technical letters.

SPOILT FOR CHOICE

FROM: COLIN YOUNG, GLASGOW

I currently own an ageing A500 with Workbench 1.2 and 3Mb of memory. The computer is mainly used for word processing, at least 80 per cent of the time, using *Kindwords 2* and now *WordWorth 2*. I was intending to buy an A1200 with an 80Mb hard disk, but am now considering the new A4000/030 due to its faster speed and extra memory.

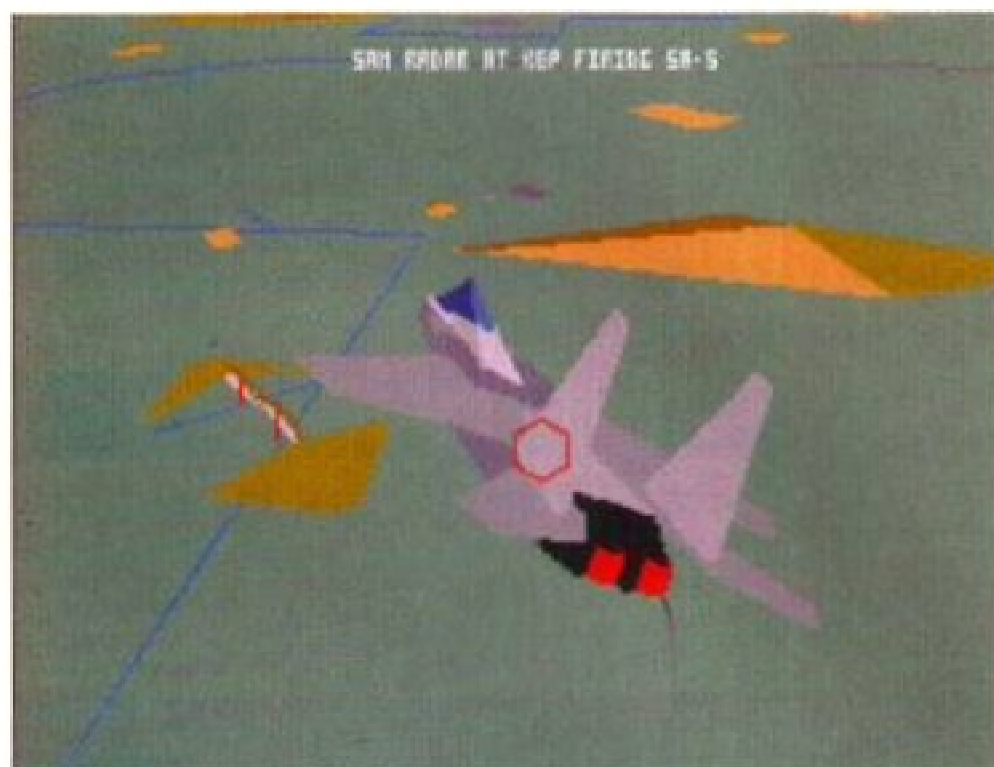
1) Will all A1200 software run on the A4000/030?

As the two machines have become available within a short space of time, I would think that most software would. Simply because if somebody writes something on an A1200, they have the opportunity to test it on a A4000/030. If the A4000/030 had been launched a year later, then there would be more incompatibilities.

The CPU chips in each machine are different – very similar but not quite the same. So although I would expect some 'A1200 only' programs to be released, the vast majority should be compatible between the two machines. Programmers generally dislike factors which stop their software selling.

2) Will games run at the same speed, or will they become so fast that they are unplayable?

A well written game will use the extra power of the CPU to some degree – faster frame updates on flight simulations, for instance. A poorly written or unfinished game would either refuse to work at all, work but with bugs, run too fast, or run slower (it has been known – really).



***F15 Strike Eagle 2* is very fast on the A1200 and A4000 – typing your name into the high score table is tricky.**

3) Does the A4000/030 have the same fall back emulation modes as the A1200?

Yes. Exactly the same. But the CPU is still different.

4) Are there any reasons, cost aside, why I should not buy an A4000/030 in preference to an A1200?

One minor quirk is that the video connector on the A4000 does not seem to have a 12 volt power line, which means some expansions that plug in there do not work. If the expansion can have an external power supply to get its 12 volts from, or does not need a 12 volt power line, then it doesn't matter.

WHICH DISPLAY

FROM: JOHN LLEWELLYN, TAUNTON

At present my computer set-up consists of an A500 with a Mitsubishi TV acting as a monitor, via the SCART connector. I am thinking of upgrading my computer to either an A1200 or an A4000/030, but first could you please clarify a few details:

1) Will I still be able to use my TV with these machines, and if so what modes and resolutions will they work in?

With the A1200, yes, your TV should work fine. With the A4000/030, probably not, unless you can manually select SCART input on the television – usually the channel indicator swaps over to 'AV'.



This CBM convertor lets you plug a 15-pin SVGA monitor into the 23-pin video connector common to all Amigas.

2) If I can't use my TV, what type of monitor would you recommend, for instance multisync, SVGA compatible, and so on?

There is a multitude to choose from – Commodore are launching new dualsync 1940 and 1942 monitors specifically designed to work with the A1200 and A4000. Assuming you want to work with an interlaced, flicker free screen, a VGA (with an Ami-VGA interface) will give you about 480 lines of display. A good multisync or SVGA, however, will give you at least the full 512 lines of PAL interlaced screen. There is a Commodore interface that takes the 23-pin output from an Amiga and converts it into SVGA 15-pin D Type SVGA.

Ideally, a monitor which can automatically sense whether it is getting 15KHz (non-interlaced/double scan) or 31KHz (interlaced/scan). If it can't sense what signal it's getting, can it be manually adjusted externally with a knob? The only real solution is to take your computer to a monitor shop and see what works.

3) I have heard that some monitors will not work in low resolution, non-interlaced modes. Which ones?

It is correct. The very expensive, 31KHz only monitors, such as the NEC 4D, are not suitable for displaying typical game screens – they introduce ghosting and flicker. If you don't mind flickery interlaced screens, but want rock steady arcade games, then a standard monitor (Philips 8833, Commodore 1084 or 1085) will do the job.

SWAPPED, LOCKED AND SILENT

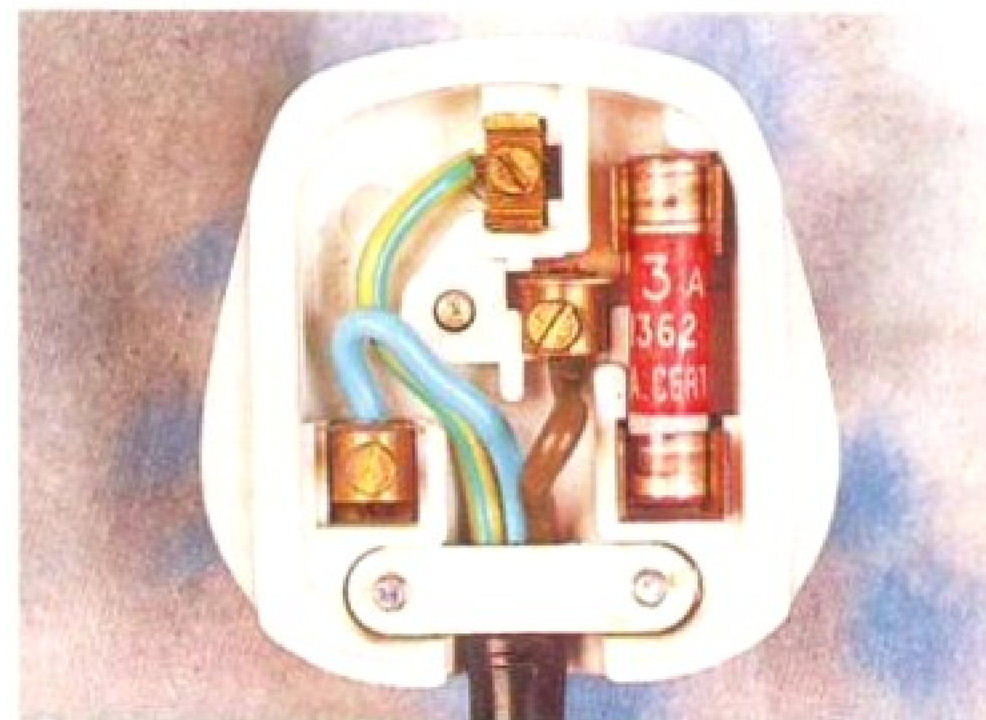
FROM: A R STEWART, LANARK

I've had a 1Mb A500 for about 10 months now, and it has developed a few problems. I've lost the sound on it, and on one mouse port the mouse buttons are switched over (same with a joystick). But the worst problem is that I am unable to do relatively simple procedures. An awful lot of stuff doesn't work beyond the introductory screens, although Workbench and some Anglia PD disks work for the most part.

For instance, say I'm trying to copy a disk as per your instructions, the Amiga asks for the source disk, reads up to track 79 surface 0, and then spins endlessly. The same occurs with most of my disks after a few seconds of working.

The disk copying phenomenon is nearly always a misaligned head in the disk drive. This is very common with older Amigas, where the head that scans across the disk cannot read a certain track, or always writes garbage on to a certain area. Either try changing the drive, or ask a repair centre to check the whole computer over properly. Quite a few places advertise in *Amiga Format* or our sister magazine *Amiga Shopper*.

A few sessions ago, my work was cut short by a power cut, which turned out to be a breakdown at the local power station. I checked over my fusebox, and sure enough a two amp wire was blown (I wish I had circuit breakers). Could voltage spikes like that cause problems with my computer? A friend at Scottish Power says that if this is so I have no recourse to the company. What precautions do you suggest at home computer level?



Always check the fuses in your plugs – 3 amp fuses are fine for the majority of computing power needs.

Well, it really depends on your power company, which in turn depends on where you live, and also on how much you want to spend. A £20 surge protector, built into a four way mains adaptor, is a reasonable start. That, together with the fuses in the fusebox, the plugs, and the power supplies which are already there, give a reasonable level of protection to your computer, printer, monitor and whatever else.

Continued overleaf

It's wise to turn off and unplug everything, and check the fuses in your plugs. Those are the ones that are usually the wrong values, in the UK at least. The higher a fuse in amps the more power it will let through (and hence the more damage it can do) before it breaks and cuts the power. Most equipment needs a fuse in the plug. If it doesn't, the chances are it's got an internal fuse.

MISSING HARD DISK

FROM: ANDREW GAUTON, WARRINGTON

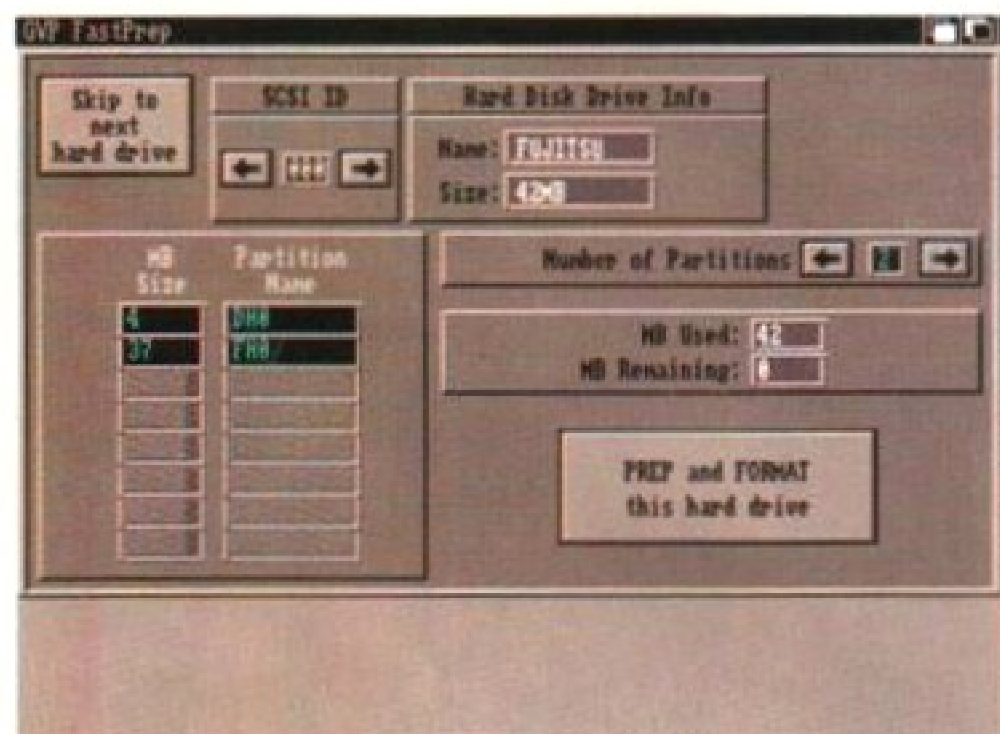
Everything was fine with my A1200 with (Commodore approved) 85Mb hard drive, until I dragged a file from the Work partition on to a floppy disk. When I double clicked on the Work icon again, a message told me that Work was not a DOS disk!

Now I can't get at any files on my Work partition at all, and the Work icon has changed to "Work:????". Can you tell me what has gone wrong? How do I correct it? My Amiga came with GVP's Faaastprep 2.0, but I don't mind using Shell/CLI if I have to.

As the Amiga writes data on to a hard disk, it calculates checksums for the data on the disk. If the checksum doesn't match, then AmigaDOS marks the disk as invalid and will not let you write data on to it until it has been validated.

Up to Workbench 3, the simple answer was to Diskdoctor the drive. However, Workbench 3 does not have the Diskdoctor tool, and so you will need to get hold of some suitable disk toolbox software such as *Quarterback Tools* or *QBT Deluxe* from Central Coast Software (0101 512 3286650). We will be reviewing these programs shortly.

By the way, badly programmed software can cause a drive to become invalid (not saving a file properly). Also, Diskdoctor (should you obtain it from a friend with an older Amiga) has one side effect - files that have been deleted appear again.



GVP's Faaastprep 2 not only formats hard drives, but gives a full diagnostic of expansion boards too.

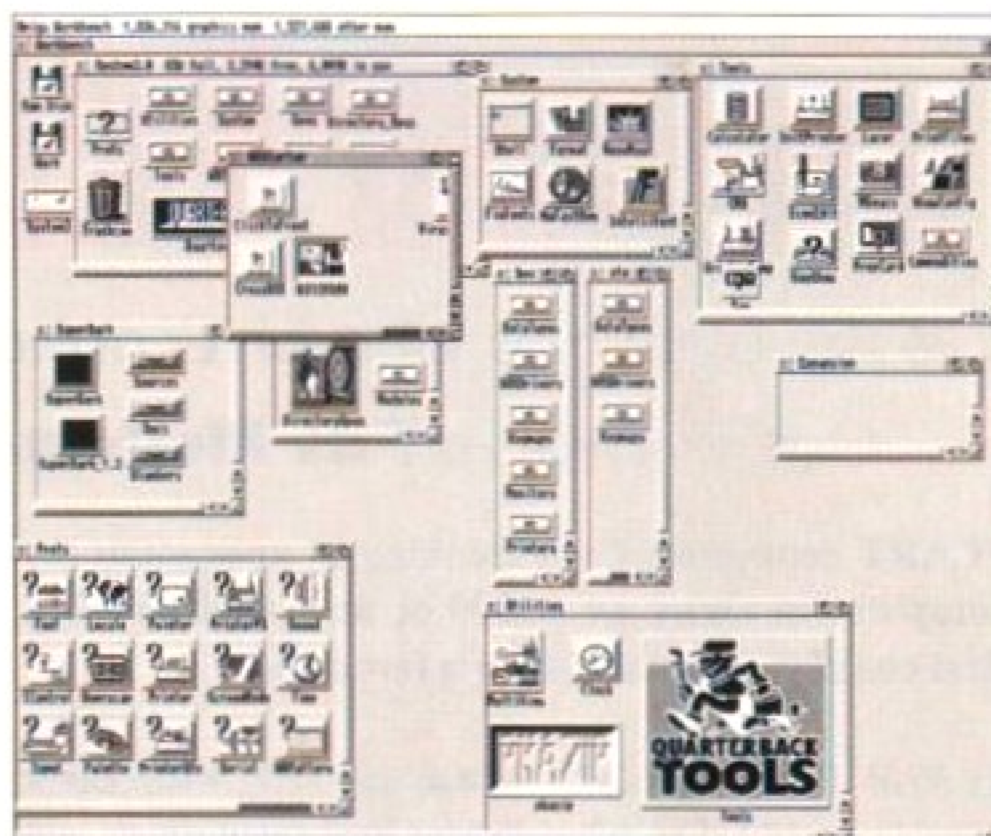
CHEAP PC MONITOR

FROM: J HOLLAND, WADHURST

I am considering upgrading my A500+ to an A1200. Can a PC monitor be used with an A1200?

Upgrade means to alter a system to a new standard - it is impossible to upgrade to an A1200 – you have to go out and buy one. No, you cannot use a PC VGA monitor without an interface - AmiVGA do one for about £40. You can contact them on 0703 511164.

If not, can I use a Philips 8833 monitor as used with the A500+? I have heard that there are problems when using certain types of monitor in that they do not support all screen modes, and hence are unusable for some types of software, principally games.



You can view super hi-res screens on a TV, but the picture usually flickers so much that the writing is illegible.

You can see any screen mode on any kind of screen. However, the quality of the display may not be what you are used to. You can view a super hi-res screen on an ordinary television set - it is doubtful that you could read the writing on it, though.

The point is that you don't need a special monitor for any of the screen modes - but some screen modes look better with different kinds of monitors. The A1200's situation is not at all like the Atari ST, where to use high resolution software, you have to buy a high resolution monitor or the software will not run.

The Philips 8833 will be fine for games, but not very good for very high resolution displays. For that, a VGA or multisync monitor (like the Commodore 1960) is highly recommended. You are correct in saying that these hi-res screens have difficulty with very fast moving graphics - but your Philips won't.

I have heard of a software fix that helps. Can you confirm this?

There are many different monitor types on Workbench 3. About the best for you would be hi-res Interlaced Flicker Free. This gives you a good resolution, with no flicker on a VGA monitor. In other words, a flickerless display without a flicker fixer.

CD-ROM PLEASE

FROM: TIM SAXON, NORTHUMBERLAND

I own a 1.3 A500 with 1Mb of RAM. Do I need any further modifications or upgrades to fit an A570. Please tell me in English, and also, what is the difference between fast and chip RAM?



The A570 really needs to be plugged into a 1Mb chip RAM A500 for full CDTV compatibility.

What it boils down to is an A570 will only work properly with an A500 with 1Mb of chip RAM. How this is done was covered in *AF* issues 32-34. If you want somebody to do it for you, then Evesham Micros will do the job (0386 765500). I also understand that *Amiga Shopper* printed the details in their last issue (27).

As for the difference between fast and chip RAM - fast RAM is only accessible by the processor. Chip RAM is available to all custom chips that need memory – Paula needs access to memory to play sound samples, Agnus needs access to memory so it can transfer data from one place to another (blitting), and Denise needs access to memory which stores graphic screens and sprites.

Also, disk drives have to have some chip memory (chip RAM) to temporarily store data as it comes off or goes on to a floppy disk. CD-ROM drives and some hard disks also need to use chip RAM for their buffers - that's why you really do need at least 1Mb to have a CD-ROM drive (like the A570) connected.

FASTER UPDATES

FROM: HAYDN SMITH, PENARTH

I am thinking about buying an A4000/030. I have a three-year-old A500 with a 1084S monitor which I mainly use for art and graphics, using programs like *DPaint 4*, *MovieSetter*, *3D Design* and *IntroCAD*. What I want is a fast, 32-bit machine, that will run most of my old A500 games while letting me do more in the professional graphics side.

Anyway, I've got about £1,500 to spend, and am thinking around the A4000/030, or a PC clone (486, 33/66MHz switchable) or possibly an Apple Macintosh. I used to use AutoCAD in a training centre, so I nearly (reluctantly) bought a PC until the A4000/030 came out. So to my questions:

1) Which monitor will display all screen modes without any problems?

Any multisync monitor capable of switching scan rates between 15KHz and 31KHz. The simplest one to buy is Commodore's own 1960, or a secondhand 1950 (they don't make them anymore). See the answer to the letter from J Holland for more ideas.

2) What is the best CAD package for the A4000? I've heard that XCAD3000 is about the best, and better than AutoCAD, but is it compatible with the AGA chipset?



This isn't XCAD3000 – this is 2000. 3000 has more power for 3D objects, and can output such models to Imagine.

Yes it is. It doesn't actually work in 256 colours yet, but it works fine with the AGA chip set. I understand that XCAD is being upgraded to let you edit in 256 colours, but that will take time.

3) How do I compare the speed of different machines? PCs are always rated in MHz. But a 25MHz A4000/040 is four times faster than a 25 MHz A4000/030! Please tell me how to rate a machine in real terms, as Amigas seem to use MIPS to differentiate machines.

First, you must understand that the CPUs used in PCs and Amigas (or Macs) are different, made by two different manufacturers (Intel and Motorola). Therefore, any comparisons are misleading to a certain extent.

But here's a few rules of thumb. A 68030, running at 25MHz, will do computations at about the same speed as a 33MHz 386 or 486 SX. A 68040 running at 25MHz runs about four times faster than an 030 – about 20 per cent faster than a 486DX at 33MHz.

The reasons for these odd comparisons are twofold. For a start, the 68030 and 68040 are totally different in terms of the way they are built and designed, while at the same time being extremely compatible in terms of software. For instance, the 040 has a built-in FPU - the 030 requires an extra chip for this (68881 or 68882).

Second, the AGA Amigas have full 32-bit access to graphics stored in memory. The vast majority of PCs have 16-bit (or even 8-bit) graphics cards, which means that although they can compute maths quicker, it takes longer for them to output that information to you. The chief reason why XCAD is thought better than AutoCAD is that it updates the screen much, much quicker.

Finally, remember that an A4000/030 has no Floating Point Unit (FPU). If you buy software that uses an FPU, you will not be able to run it. But, the good news is that you can have an FPU fitted and you can upgrade the processor very easily on the A4000, either to a 68040 040 or (when available) an 68060. Upgrading a 486 PC to future standards is much, much more difficult.

SHOULD I STAY...

FROM: CARL THOMAS, BARNSLEY

I have got a 1Mb A500 which I have had for just over a year. Now, I was going to buy an GVP A530 42Mb hard drive/accelerator combination with 4Mb of 32-bit RAM. Then Commodore brought out the A1200!

Do I spend £650 on an A530, or do I buy an A1200 and use the extra money to expand it? The point is I'm not sure if the A500 has a future or not.

It depends what you want to use your Amiga for. If you want a machine which is going to have loads of games on it for years to come, get the A1200. If you want a serious, faster machine for doing lots of computations and raytracing images, then get an A530 with a 40MHz FPU.



The A530 makes an A500 work much faster than an unmodified A1200. However, remember that the A1200 can display much better graphics than an A500.

The serious arty side of the Amiga market will support the older Amigas much longer than the traditionally short shelf life games companies will . But you shouldn't expect things to change overnight - remember how many years did it take the Amiga to supplant the C64, for example?

Techno Babble

Do you know how to talk techie speak? Well if you don't then this little bit of jargon-busting should sort you out!

AA chipset: The new Lisa (video) and Alice (graphics) chips in the A1200 and A4000 allow many more colours on-screen than previous Amigas. Also called the AGA chipset (Advanced Graphics Architecture), it is impossible to fit the AA chips to older Amigas.

Anim Brush: A brush is a small section of a graphic screen, cut out with a paint program like *Deluxe Paint*. Anim brushes are different small images with the same dimensions – for instance, a bird flapping its wings or an eye blinking.

Blitter: BLock Image TransfER device. Used for copying large areas of memory from A to B, or to combine different areas into one single image. Widely used to generate large graphic shapes in computer games.

Bridgeboard: Commodore's own IBM emulating device, featuring a complete PC computer on a single card. Only fits A1500 and above machines – enables use of standard PC cards, such as sound cards, video cards (VGA/SVGA) and PC hard drives.

Chip RAM: memory accessible by the custom chips (Paula, Agnus, Denise) as well as the processor. Used to store all graphics and sounds. Can be used by programs too – with speed slow downs.

CLI: Command Line Interface. The program which enables you to type commands into AmigaDOS for standard operations like copying files or getting a directory. Shell is more commonly used now.

Copper: Co-processor. Used to generate subtly coloured backgrounds – this device is built into the Agnus chip and it can alter colours while the screen is being generated. Executes instructions at the same time as the processor.

CPU: Central Processing Unit. The decision-making chip, the one that tells everything else what to do. It can be interrupted by custom hardware if its programs are in chip RAM.

Fast RAM: Memory that's only accessible by the processor. Programs stored here run faster than those in chip RAM, because there is no contention between the custom chips and the processor.

Frame grabber: Device for capturing live video data and converting it into computer picture data. It doesn't require a still video signal. It usually gives much better results than a video digitiser, which does the same job, except that the video must be paused.

Freezer cartridge: Quasi-legal device for examining programs while they are running. Usually with many useful built-in utilities which help overshadow its dubious origins.

Hard drive: basically a big disk for keeping Workbench and all the serious software that you use. Works much faster than a floppy disk. More and more games are becoming installable on to a hard drive.

IFF: Interchange File Format. A standard way of storing pictures and sounds, invented by Electronic Arts and adopted by Commodore. A single standard – practically all art programs can load and save pictures in this form.

Kickstart: The name of the set of programs which are run when the Amiga is turned on. Also contains many library functions for use by programmers. Latest release is *Kickstart 3*. Other releases; 2, 1.3, 1.2, 1.1.

PD: Public Domain. Literally, software that is the property of everybody. PD disks can be freely copied by anyone, and you can also distribute them to whoever you want. The correct term is 'Freeware'. 'Shareware' (try before you buy) and 'Licenseware' (commercial and non-distributable) also come under the same rough heading.

ROM: Read Only Memory. Memory that cannot be altered. Widely used as the starting programs for computer systems that have just been turned on – ROMs remember things permanently.

RAM: Random Access Memory. Memory that can be altered and re-altered many times. Typically, it does not remember what it contains when the computer's power is switched off.

Scanner: Hardware device for reading flat pictures from posters, newspapers and so on, and converting them into computer graphics. Often used in desktop publishing to read in previously published images.

Script file: A set of commands which you would otherwise have to type into the CLI or Shell by hand. Saved as a text file. Learning how to use Shell or the CLI involves learning how to write script files.

Shell: More up-to-date version of CLI. Works in exactly the same way, but enables some flexibility in what commands are called via the 'alias' function. Also gives some hot-key combinations to enable some editing of previously entered commands.

Sound Sampler: Hardware device that converts electrical music signals (typically from a tape or CD player) into computer sound. Can also be used with a microphone to capture live sounds.

Sprite: A graphic object that is independent of the screen. On the Amiga, sprites are limited in size and colours. Typically used for mouse pointers, alien missiles, and so on.

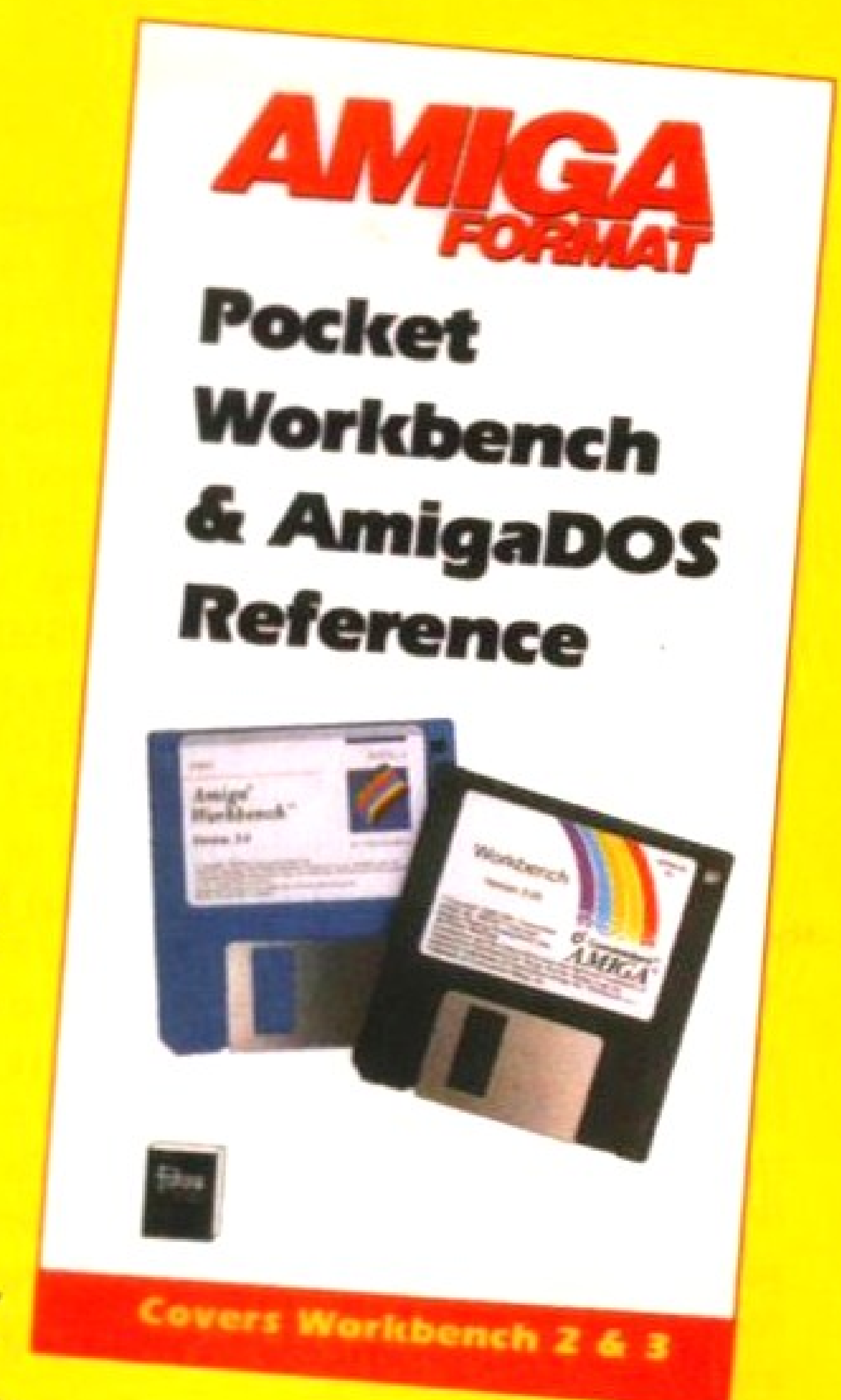
Startup-sequence: The name of the script file, contained in the S directory, which is executed after a disk has booted. Typically contains just the name of a program to auto-run, but can be very complicated. Whatever the nature of the file, it must always be called Startup-sequence and live in the S directory.

Workbench: The set of programs which sets up a graphical 'point-and-click' interface on the Amiga. Much more friendly than the CLI or Shell, but not as flexible. Always has to be loaded from disk, which is slow but does enable much customisation. Workbench 3 requires a *Kickstart 3* ROM. Workbench 2 requires a 2 ROM, 1.3 needs a 1.3 ROM and so on.

Zorro: This the generic name for the Amiga's expansion connector. The A500, A500 Plus and A1000 had the original Zorro I; the A1500s and the 2000s have Zorro II; and the A3000 and A4000 have Zorro III. They are not compatible, hence the different expansions for different machines. The A600 and new A1200 have a PCMCIA connector instead.

Information at your fingertips!

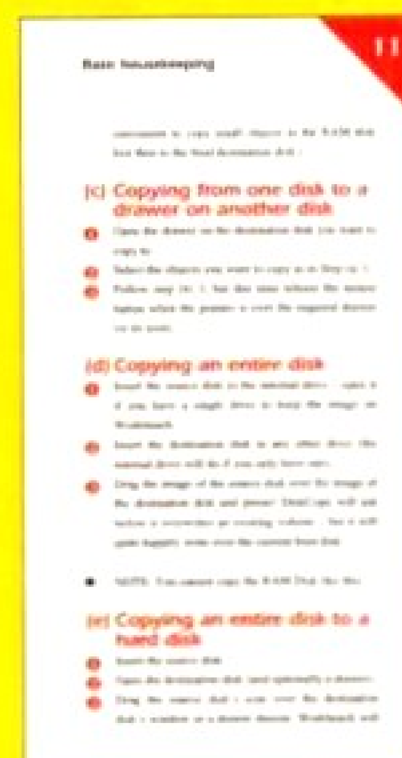
At last – all the Workbench/AmigaDOS info you need in one handy volume! It's small enough to fit in your pocket and wiro-bound so it stays open on your desktop. And it explains all this…



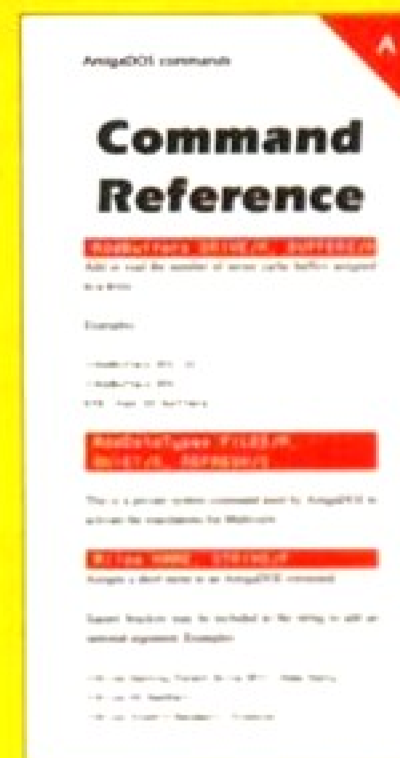

Workbench windows and 'gadgets': what they are, what they do and how to use them.


The Workbench menus: every menu option and its function explained.


Workbench tools, commodities and utilities: what they are, where to find them, what they do and how to use them!


Routine Workbench tasks made easy: renaming, moving, copying and deleting files.


Workbench preferences: using the preferences tools to set up Workbench the way you want it.



AmigaDOS reference: a list of all AmigaDOS 2 & 3 commands, including function, command syntax, and simple instructions.

160+ pages packed with day-to-day reference for all Amiga owners, beginners or experts!

The Amiga Format Pocket Workbench & AmigaDOS Reference is designed to provide Amiga owners with the information they need in the form they need it!

No more clumsy, heavyweight manuals – quite often you don't need a wordy lecture, just a quick reminder.

No more fumbling around in half a dozen books for information that can easily be packed into one.

No more emptying the garage/loft/wardrobe for documentation and manuals you thought you wouldn't need again.

Why? because it's all here!

Only £9.95!

* Contains some material also published in Get the Most out of your Amiga 1993.

Pocket Workbench & AmigaDOS Reference Order Form

The **Pocket Workbench & AmigaDOS Reference** will be available in the shops, but you can order a copy of this book right now, direct from our own Mail Order department. Postage and packing is FREE – you don't even need a stamp to send this order off!

Please send me: (tick as appropriate)

............copy/copies of The **Pocket Workbench & AmigaDOS Reference** at £9.95 each

Method of payment (please tick one):
VISA ☐ ACCESS ☐ CHEQUE ☐ P/O ☐

CARD NUMBER
☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

Expiry date: ☐☐☐☐

Please tick here if you do not wish to receive direct mail from other companies: ☐

Your name...

Your address...

....

....

Your signature...

Now send this form to:

Future Leisure Books Offer
Future Publishing Ltd
Freepost
Somerton
Somerset TA11 7BR

For office use only:

ORDER CODE: FLB017A

RICOH LP1200 PCL5 LASER PRINTER

400 DPI 2Mb RAM 6 PPM £699 + VAT

A4 TEXT/A5 GRAPHICS @ 400dpi • A4 GRAPHICS @ 300dpi. A 2Mb RAM UPGRADE IS REQUIRED TO PRINT A FULL A4 PAGE OF GRAPHICS AT 400dpi

HP LASERJET III™ COMPATIBLE • FLASH ROM UPGRADEABLE!

Ricoh, have used their expertise to produce a 'first' in laser printers, the LP1200 with FLASH ROM. HP LaserJet III™ compatible, the LP1200 employs industry proven laser technology which, unlike LED printers, uses a laser light source to produce the most accurate and intense printed images at a range of print resolutions up to 400dpi. A fast efficient processor and engine, plus a straight paper path design allows printing at a full 6 pages per minute. The 2Mb RAM version prints a full A4 page of text or graphics at 300dpi. Using standard resident fonts and the alternate controller firmware supplied, it can also print an A4 page of text or A5 page of graphics at 400dpi and, using the Windows driver supplied, an A4 page of text at 400dpi from Windows 3.1.



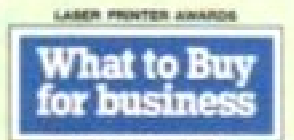
SHOWN WITH UNIVERSAL FEEDER TOP TRAY (OPTIONAL EXTRA)











The 4Mb RAM version can print a full A4 page of graphics at 400 dpi and makes full use of the LP1200's 400 dpi printing capabilities, such as using Microsoft Windows fonts. Unique additional standard features include FLASH ROM 'future proof' technology and LAYOUT - a powerful document description language. The LP1200's unique internal FLASH ROM, which holds the printer controller firmware, can easily be updated as new developments in technology occur. This protects the investment you make in buying a Ricoh LP1200. Other manufacturers would require you to buy a new printer! Internal FLASH ROM and industry standard FLASH ROM PCMCIA cards can also be used to permanently store fonts, macros, graphics and extra emulations. Again, unlike the competition, the LP1200 includes LAYOUT, a powerful and intuitive document description language as standard. This offers unique opportunities to develop custom made printing systems. Forms and document templates can be designed complete with logos and stored electronically in the LP1200's FLASH ROM, alleviating the need for pre-printed forms!

The LP1200 comes with a 100 sheet A4 paper tray as standard. An optional universal feeder automatically feeds up to 150 sheets of paper (up to 169gsm), 15 envelopes, transparencies and labels.

FREE! WINDOWS DRIVER v3.1

WORLD FIRST PLAIN PAPER FAX OPTION ONLY £120

The LP1200 is the World's First Laser Printer to have the option of being upgraded to a PC independent plain paper fax. Just download the software (£120+VAT) into the LP1200's Flash ROM and connect any fax/modem to the Serial Port (we recommend the Pace Microlin FX - £180+VAT). Using the Windows and DOS software supplied you can send and receive Laser quality faxes all over the world!

FAX/MODEM SOFTWARE FEATURES - £120+VAT - FAX 1200

- Combine 2 or 4 faxes onto one page (A4)
- Greyscales, 3 types of images - Photographic, Line Art, Ricoh Scanned
- Phone number directory (using Windows driver)
- Broadcast (using Windows driver)
- Windows and DOS version
- Receive faxes when PC is switched off
- Use printer for printing while receiving faxes in background mode
- Use LaserJet or Layout protocol documents
- Send faxes from any Windows application

MODEM/HARDWARE FEATURES - £180+VAT - MOD 7199

- CCITT Group 3 send/receive
- Laser quality output
- Automatic retry on busy (x3)
- Memory useable - 2Mb (upgradeable to 4Mb)
- Document macros
- PCMCIA/Intel flash card firmware module available
- A4 paper - but can receive A3 pages scaled down to A4 - 300 dpi. Can send A4 pages scaled upto A3 - 300 dpi
- Out of paper receive
- 9600 baud Fax modem
- 2400 baud Data modem
- Hayes compatible - UK manufacture
- 5 year warranty on modem
- Includes: fax/modem, software, mains adaptor, serial cables, PSTN connection lead and manuals

FOR PCs & COMPATIBLES ONLY

- **6 PAGES PER MINUTE** — *Using a straight paper path*
- **PCL5 - INC HP-GL/2** — *With scalable fonts and vector graphics*
- **SHARP EDGED PRINTING** — *Ricoh FIAL (Fine Image ALgorithm) enhances resolution*
- **400dpi RESOLUTION** — *(Default res. - 300dpi. Will address 200, 240 & 400dpi)*
- **2Mb & 4Mb RAM VERSIONS**
- **UNIQUE FLASH ROM** — *For controller upgrade and storage*
- **PCMCIA CARD SLOT** (PCMCIA/JEIDA Compatible) — *For programmable FLASH ROM cards*
- **EXPANSION BOARD SLOT** — *For improved connectivity eg. Coax/Twinax, PC-LAN etc*
- **LAYOUT** *Document Description Language*
- **SERIAL + PARALLEL PORTS**
- **1 YEAR ON-SITE WARRANTY** — *Next working day response*

CORPORATE SALES TEAM
Tel: 081-308 0888 Fax: 081-308 0608

See how the LP1200 compares

FEATURES	EPSON EPL4100	HP L/JET IIIP	M'M TALLY MT904+	IBM 4029 Model 010	RICOH LP1200
Average Street Price (excl. VAT) (*expected)	£569	£699	£699*	£750	£699
Official RRP (excl. VAT)	£945	£1,179	£1,099	£1,099	£1,195
Maximum resolution in dots per inch	300 x 300	300 x 300	300 x 300	300 x 300	400 x 400
Windows 3.1 Driver @ 400 dpi	-	-	-	-	YES
Print Speed	6ppm	4ppm	4ppm	5ppm	6ppm
Straight Paper Path	YES	-	-	-	YES
PCL 5 Printer Command Language	-	YES	YES	-	YES
HP-GL/2 Vector Graphics included	-	YES	YES	YES	YES
Resolution Improvement/Enhancement	YES	YES	YES	YES	YES
Standard RAM	0.5Mb	1Mb	1Mb	1Mb	2Mb
Full A4/300 dpi graphics with standard RAM	-	-	-	-	YES
Warm Up Time	<45 secs	<60 secs	60 secs	33 secs	45 secs
First Page of Text Output	<20 secs	<40 secs	34 secs	20 secs	<15 secs
Document Description Language included	-	-	-	-	YES
Flash ROM	-	-	-	-	YES
Upgradable Firmware	-	-	-	-	YES
IC Card Slot	YES	-	-	YES	YES
Scalable Resident Fonts - in HP LJ III Emulation	-	8	8	0	8
Resident Bit-Mapped Fonts	11	14	14	16	14
AGFA Intellifont Scalable Font Technology	-	YES	-	-	YES
HP LaserJet III Emulation Included	-	YES	YES	-	YES
EPSON FX Emulation Included	YES	-	YES	-	YES
IBM ProPrinter Emulation Included	-	-	YES	-	YES
Standard Tray Capacity	100	70	100	200	100
Protective cover on standard tray	YES	-	YES	YES	YES
Cost per copy**	1.65p	2.00p	1.71p	1.64p	1.65p
Min-Max Paper Weight in gsm	60-157	60-105	60-120	60-131	60-169
Able to print on OHP Film	YES	YES	YES	YES	YES
Able to print on card (157gsm - Manual Feed)	YES	-	-	-	YES
Standby -Noise Level	<40dB	31.7dB	<35dB	38 dB	<38dB
Printing -Noise Level	<50dB	43.3dB	<46dB	50 dB	<48dB

**As quoted by manufacturers - 2/4/92

All Trademarks are acknowledged

CONSUMABLES + ACCESSORIES

CODE	PRODUCT	PRICE
CAB 7500	Cable for PC/ST/Amiga	£8.47
KIT 5200	Laser Starter Kit inc Cable	£12.50
LAA 5238	Universal Feeder (2nd Tray)	£100.00
LAA 5262	2Mb RAM Module	£100.00
LAA 5210	Developer/Toner Cartridge	£65.00
LAA 5225	OPC Cartridge (Drum)	£89.00
LAA 5312	A4 Paper Tray (100 Sheets)	£35.00
FAX 1200	Ricoh Fax/Modem Software/Firmware	£120.00
MOD 7199	Pace Microlin FX Fax/Data Modem	£180.00
LAA 5279	Ricoh Flash ROM Card (0.5Mb)	£49.00
LAA 5288	Ricoh Flash RAM Card (1Mb)	£199.00
LAA 5290	Ricoh Flash RAM Card (4Mb)	£599.00

All Prices are Exc VAT - CALL FOR A FULL PRICE LIST

*Note: A4 paper tray is already included in the printer price. More A4 trays can be purchased to feed different coloured stationery.

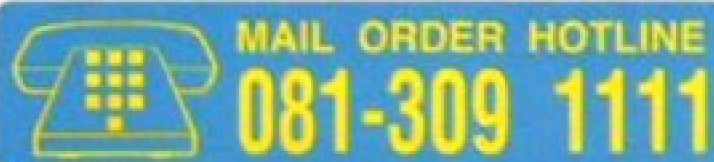
	LASER PRINTER	LASER PRINTER + LASER FAX/MODEM
LP1200 WITH SINGLE BIN & 2Mb RAM	£699 +VAT = £821.33 LAS 5200	£999 +VAT = £1173.83 LAS 5200 + FAX 1200 + MOD 7199
LP1200 WITH SINGLE BIN & 4Mb RAM	£799 +VAT = £938.83 LAS 5200 + LAA 5262	£1099 +VAT = £1291.33 LAS 5200 + LAA 5262 + FAX 1200 + MOD 7199

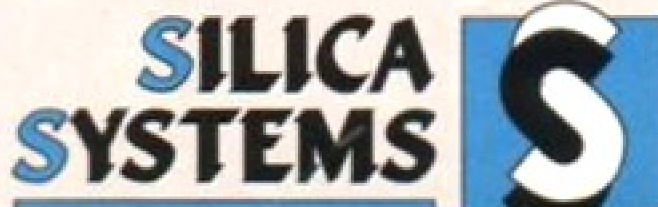
206931519

SILICA SYSTEMS OFFER YOU

- *FREE OVERNIGHT DELIVERY:* On all hardware orders shipped in the UK mainland.
- *TECHNICAL SUPPORT HELPLINE:* Team of technical experts at your service.
- *PRICE MATCH:* We normally match competitors on a "Same product - Same price" basis.
- *ESTABLISHED 14 YEARS:* Proven track record in professional computer sales.
- *£12 MILLION TURNOVER (with 60 staff):* Solid, reliable and profitable.
- *BUSINESS + EDUCATION + GOVERNMENT:* Volume discounts available **081-308 0888.**
- *SHOWROOMS:* Demonstration and training facilities at all our stores.
- *THE FULL STOCK RANGE:* All of your requirements from one supplier.
- *FREE CATALOGUES:* Will be mailed to you with offers + software and peripheral details.
- *PAYMENT:* Major credit cards, cash, cheque or monthly terms (APR 29.8% - written quotes on request).

Before you decide when to buy your new laser printer, we suggest you think very carefully about WHERE you buy it. Consider what it will be like a few months after you have made your purchase, when you may require additional peripherals or consumables, or help and advice with your new purchase. And, will the company you buy from contact you with details of new products? At Silica Systems, we ensure that you will have nothing to worry about. We have been established for almost 14 years and, with our unrivalled experience and expertise, we can now claim to meet our customers' requirements with an understanding which is second to none. But don't just take our word for it. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Systems Service".





SILICA IS A DIVISION OF PRODIS PLC

MAIL ORDER: Order Lines Open: Mon-Sat 9.00am-6.00pm	1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX	No Late Night Opening	Tel: 081-309 1111 Fax No: 081-308 0608
LONDON SHOP: Opening Hours: Mon-Sat 9.30am-6.00pm	52 Tottenham Court Road, London, W1P 0BA	No Late Night Opening	Tel: 071-580 4000 Fax No: 071-323 4737
LONDON SHOP: Opening Hours: Mon-Sat 9.30am-7.00pm	Selfridges (Basement Arena), Oxford Street, London, W1A 1AB	Late Night: Thursday - 8pm	Tel: 071-629 1234 Extension: 3914
SIDCUP SHOP: Opening Hours: Mon-Sat 9.00am-5.30pm	1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX	Late Night: Friday - 7pm	Tel: 081-302 8811 Fax No: 081-309 0017
ESSEX SHOP: Opening Hours: Mon-Fri 10.00am-5.30pm (Sat 9.00am-6.00pm)	Keddies (2nd Floor), High Street, Southend-on-Sea, Essex, SS1 1LA	Late Night: Thursday - 7pm	Tel: 0702 468039 Fax No: 0702 468039

To: Silica Systems, AMFOR-0893-75, 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX

PLEASE SEND INFORMATION ON THE RICOH LP1200

Mr/Mrs/Ms: .... Initials: .... Surname: .... Date: ....

Company Name (if applicable): ....

Address: ....

....

.... Postcode: ....

Tel (Home): .... Tel (Work): ....

Which computer(s), if any, do you own? 75S

E&OE - Advertised prices and specifications may change - Please return the coupon for the latest information.



The PCMCIA connector has 68 pins, whereas the old A500 has 86 pins. So some signals are missing on PCMCIA.

Answerfile

Simple questions, complex answers. Complex questions, simple answers. Here's the latest bundle of snippets from **Pat McDonald**.

Q I want to upgrade from an A500 with a Zappo external hard disk to an A1200. Is there an interface or cable for the A1200 to let me plug the hard disk into it?

A No. The reason that A500 external hard disks don't work with the A1200 is that the expansion port on the left hand side of an A1200 is the PCMCIA type, which misses many signals found on the A500 interface. You cannot bridge signals which are not there without dismantling the machine and soldering directly on to the board of the A1200. In short, there isn't anyway to plug a cable or interface into.

Q What is a CAMG header?

A A CAMG header is a small part of an animation file, or anim. The CAMG is responsible, among other things, for setting the palette colour range of an animation. Strictly speaking, with an animation, you are only supposed to have one set of colours for the whole animation.

Some programs such as *Graphics Workshop* (on the *AF* 30 Coverdisk) let you change colours in the middle of an animation. The way they do this is to alter the CAMG header within the animation file. Other programs do not like you swapping palettes within animations, and if you try to load such a file into them, they report 'CAMG Errors'. So, if you want to change palette values within an animation, you have to have a full set of tools to do it with. I think the Anim Opcode 5 format invented by Sparta could do with a serious update, especially with the arrival of the AGA chipset.

Q I would like to be able to load TIFF and GIF graphic files on to my Amiga. Are there any good Public Domain programs that will convert such files to the Amiga's IFF standard?



HamLab uses palette slicing techniques to display more than 16 colours in high resolution. People often say that the pictures look better than on the PC they came from.

A *HamLab*, and the commercial *HamLab Plus*, are very good for this sort of thing, especially if you just want to look at the pictures – if you want to use them within, say, a desktop publishing set-up, then it is wise to go upmarket to the likes of *Art Department Professional* to do this sort of thing.

Q Can I upgrade an A600 to an A1200, or do I have to sell my A600 and buy an A1200?

A Upgrade means to physically alter a machine to a new specification. You cannot upgrade to an A1200, you have to go out and buy one.

Q How do I delete a drawer and contents from the Shell or CLI?

A Use the delete command to do this. It is best if you give the full path to the drawer, and just put 'all' at the end.

```
Delete DF0:drawername all
```

If you had a drawer called Paperchain on a disk called Ivan, then this would do the trick;-

```
Delete Ivan:Paperchain all
```

Bear in mind that although this deletes complete directories and their contents, it doesn't delete the icon for the drawer.

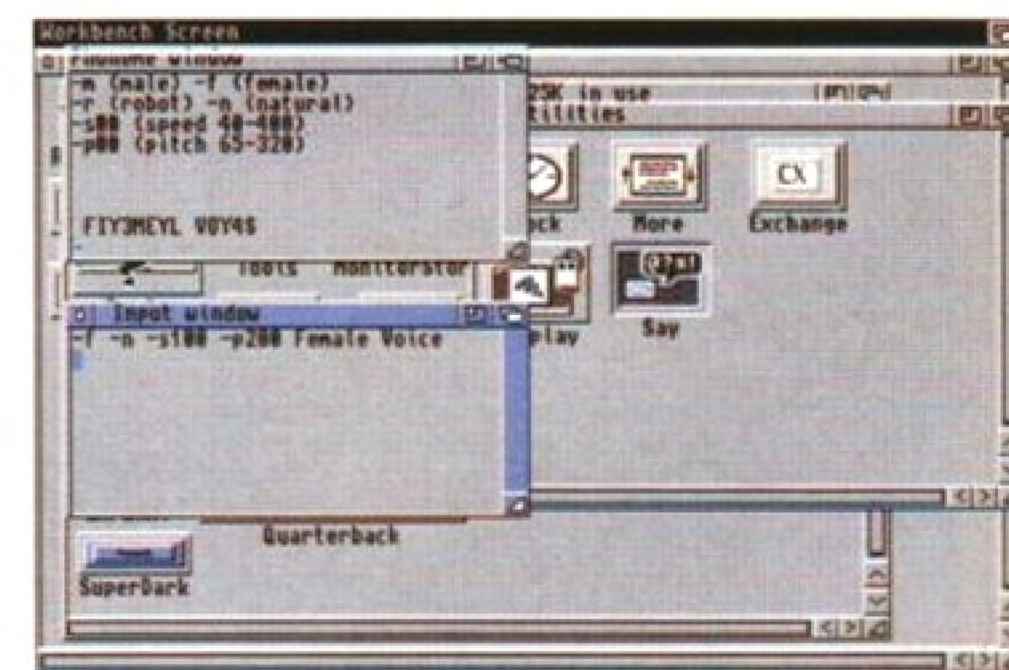
Q What is Datel's address? I have recently acquired a 4961X Datel modem and would like to obtain the instructions for it.

A Datel Electronics are at: Govan Road, Fenton Industrial Estate, Fenton, Stoke-on-Trent ST4 2RS. Tel: 0782 744707.

Q Please can you tell me when there will be an IDE CD-ROM drive for the A1200?

A That's a difficult one. IDE evolved to create simple, reliable, and cheap hard drives. It was never designed for CD-ROM use. If you mean when will there be an A1200 CD-ROM drive, then I would have to say that's up to Commodore, and it could be a good few years away. If Commodore have any sense, though, they will certainly have development machines tucked away here and there, so it can be launched with more titles than the A570 CD-ROM drive.

Q Look, PLEASE tell me how to adjust the voices on Say.



Type the switches into Say first, then put your message next. Just hit return to quit.

A There are a lot of different ways of using it. Be aware that the quality of the speech processor is a lot better under Workbench 2 or higher. This one pipes out your startup-sequence file in a dull robotic monotone. Type it all on one line into the Shell or CLI, typing just one space where indicated:

```
Say -r -s400 -p320 -x SYS:s/startup-
sequence
```

The '-r' switch tells the machine you want a robotic voice; the '-s' switch sets the speed to slowest (100 seems the fastest, although 40 is the lowest value per-

Q Just what it is a computer virus?

A A small computer program. It's primary reasons for existence are to survive and to make copies of itself, that is replicate. The sad fact is that most viruses are not choosy about which disks they copy themselves to, and so are responsible for many losses of programs and valuable data. Some deliberately destroy or hide data.

If you are using an Amiga without a good virus killer program, you have an increased risk of a virus getting into your computer and spreading around any disks you use in it. If you are running lots of pirated software, your risk level goes through the roof – viruses travel with pirate copies.

The simplest way to avoid virus infection is to switch off your computer for at least 30 seconds before you load a separate program. Also, write-protect all your floppy disks that never need information written on them. The majority of game disks fall into this category.

If you use Workbench a lot, then you can have a virus killer (like *Virus Checker* from John Velthuis) multitasking with your programs, keeping an eye out for the little blighters. *Virus Checker* is available from practically all good Public Domain libraries.



Virus Checker, having found a virus. It's worthwhile to have it running all the time, checking disks as you work.

mitted); the '-p' switch sets the pitch to highest (lowest value possible is 65).

If you want some variance in the pitch, put in a '-n' natural switch just after the '-r'. If you want masculine rather than robotic, put '-m'. If you want feminine rather than masculine, put '-f'. The '-x' switch tells the say command to speak the next ASCII filename, which is where the 'SYS:s/startup-sequence' comes from. Put a different path and name for a different ASCII text file. So, if you want a male baritone, this is handy:

```
Say -m -n -s180 -p110 -x filename
```

One other point – to get out of the Say command (even if you doubled clicked on the icon) just keep Ctrl held down and hit the C character. Ctrl-C or 'Break' is a common way of aborting Shell commands.

Q I have just bought a sound sampler, but I need more memory. I know that the Pro Agnus can help with this problem but I have an empty money box. Will the Fatter Agnus or any other chips help me?

A You get nowt for nowt, I regret. If you want some extra bytes for storage, then you need to spend money at some stage. The reason that people sell 'unpopulated' RAM boards is that other people know where to get the RAM chips to populate them. I'd rather pay for the whole lot in one go if possible.

Q I have *CrossDOS* and *Virus Checker* installed on my Amiga. Whenever I put a PC formatted disk into a drive, *Virus Checker* puts up a warning box that it could not read the boot-block. Is there a way around this problem?

A Yes. If you are invoking Virus Checker from a startup script, just put -i on the end like so;-

```
Virus_Checker -i
```

The '-i' means that if the program cannot check a drive for viruses (can't read the bootblock of a PC disk) then it won't put up that annoying little window.

Q I am sick and tired of not being able to play *Lemmings 2*, and many other 1Mb games, on my CDTV. Can I just plug an A500 memory expansion into the back of it or what?

A No you cannot. But you can have a switch fitted to CDTV which turns off the CD drive, conserving memory for other programs. Judging from the letters I've had, it would seem to be a most effective way of getting lots of 1Mb software to work with a CDTV. Such a switch will cost you £12.99, and is available from CDTV Free (0388 813661).

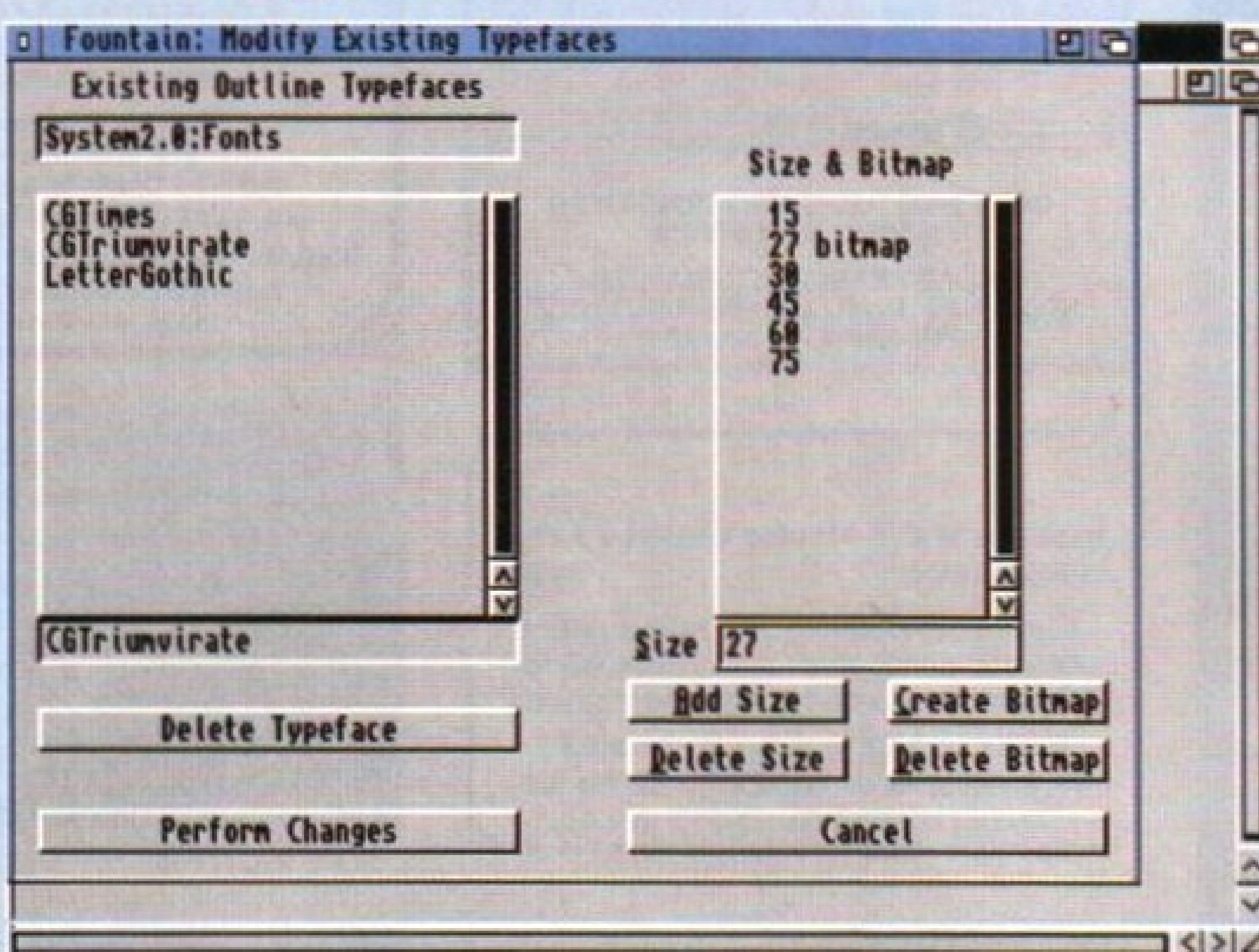
Q Is the overseas price for the AMOS manual the same as the UK price?

A If you live in Europe, add £2 to the price. For anywhere else in the world, add £3. These costs are just to cover the extra postage.

Q Where can I get Greek, Hebrew, Russian (Cyrillic), Mathematical and Japanese fonts for use in an Amiga word processor?

A All of the above and many more are available from Errol Madoo, of EMC Ltd (0255 431389). A word of caution though – all the fonts are Compugraphic type 1 fonts, which means you have to have Workbench 2 upwards or a compatible DTP program in order to use them.

Indepth Explanation
Proportional Fonts



The Fountain program from Workbench 2, creating a new sized bitmap font from an outline font.

Be aware that in order to get this program to work, you must copy some files from the Fonts disk on to your system disk. This usually means floppy users making some space on a copy of Workbench, while hard disk users have a much easier time.

1 Font is another word for typeface – the shapes that make up printed letters and words. Rather than attempt to store all of these inside the Amiga, they are usually stored on disk, and read into the Amiga as required. You should have got a Fonts or Extras disk with your Amiga – this contains several additional fonts, although there are thousands of fonts to choose from.

2 Some programs such as *Deluxe Paint IV* and *Civilization* have their own customised fonts. If you are using a hard disk (which lets you have many more fonts on tap than a floppy based Amiga) be aware that some programs will put extra fonts in your Fonts drawer, even if you are not at all interested in collecting fonts. So it's always worth making sure that your hard drive has some free space for extra fonts.

3 Bitmaps are what you see on the screen, both on *Deluxe Paint*, DTP programs, video titler programs – the lot. The reason is that the Amiga has a bitmapped screen display. However, when you use a printer, the resolution is much, much higher than the screen. Bitmaps are not usually a problem until you try to print them out.

4 Desktop Video users tend to avoid using anything other than very large fonts. The reason for this is that people looking at video screens tend to keep their distance – to make words legible, they have to be very large. DTP users tend to use both large sized fonts (for headlines) and small fonts (for body copy).

5 Up to Workbench 2, only bitmap fonts could usually be used by the Amiga. However, certain desktop publishing programs could use outline fonts instead. Outline fonts can be easily rescaled up and down, from the smallest to largest sizes, without distortion. Scaling bitmaps always causes some distortion (the 'jaggies' or jagged edges). There are a few different kinds of outline fonts.

6 Apart from Agfa Compugraphic, the other readily available outline font type are Adobe type 1 and type 3. The only program I am aware of that makes extensive use of these is *Pagestream*, a very popular DTP program. However, the *Professional Page* DTP program comes with a utility to convert between Adobe and Compugraphic font formats.

7 The reason for the differences between the way that Workbench 2 and 3 handle Compugraphic fonts is that Workbench 3 can read PC disks very easily. The Workbench 3 program *Intellifont* can read and convert IBM PC Compugraphic fonts into their Amiga equivalents. With Workbench 2, even if you have *CrossDOS* to read PC disks, it's still much more trouble to obtain fonts from PC disks.

8 In order to use outline fonts on Workbench 2 or 3, certain files have to be copied from the fonts disk to your System disk (the Workbench floppy for floppy users, your Workbench partition for hard drive users). The things to copy are; Diskfont.library (must go in the libs drawer); the Bullet drawer (goes in the fonts drawer); and at least one CG font from the fonts drawer. You must make sure there is space for all that on your Workbench floppy or hard drive before you begin.

9 One problem with outline fonts is that it takes the computer time and memory to rescale a font to a particular size. On large DTP documents, this can stop a page from printing out, because there isn't enough memory to both scale and print out. One way around this is to use Fountain or Intellifonts to save a bitmap font from a Compugraphic at a particular size. Then reboot, and change the layout of the document so it uses the smaller (in memory terms) bitmap font rather than the Compugraphic.

10 It is unwise to put all possible fonts in one place. In the short term it may not seem much of a problem, but the bigger a font drawer is, the longer it takes the Amiga to work out just what is available. It's a much better idea to have a few fonts that you use a lot available, and to keep the others on floppy disks. If the floppies are all called Fonts, then you can still load the fonts from inside a program. If possible, you should print out your fonts, to save time when you're choosing between them.

AMIGA FORMAT Market Place

AF's classified section for your local Amiga dealer...

Please Note

Once a booking has been made, whether in writing or verbally on the telephone, it is the advertiser's responsibility to ensure that copy reaches us before the relevant deadline. An advertisement which cannot be run because of late supply of copy will be charged for a full rate.

Cancellations will be accepted only if they are given in writing and at least two weeks before the copy deadline.

If a series booking is cancelled, an advertiser will be surcharged to the appropriate rate for the advertisements which have run.

A full list of our terms and conditions is available on request.

Free typesetting service

Rates and sizes One issue

1/8th of a page/68mm x 99mm	£340
1/16th of a page/68mm x 48mm	£175
*Company entry/30mm x 48mm	£45

*Company entries must be pre-paid.

Copy Deadlines

Issue	Typesetting	Finished a/w
September	Thursday 24 June	Tuesday 29 June
October	Thursday 29 July	Tuesday 3 August
November	Monday 23 August	Tuesday 31 August
December	Thursday 30 Sept	Tuesday 5 October
January	Thursday 28 Oct	Tuesday 2 November

COMPUTER & Design SERVICES
24 BLACKMOOR CROFT, TILE CROSS, BIRMINGHAM B33 0PE
Catalogue Disk £1.00, Disks are £1.50 each inc P&P. All PD, and now available A.U.G.I.R. Beginners welcomed.
021 779 6368

MICRO SNIPS
OVER 2000 DIFFERENT COMPUTER PRODUCTS IN STOCK.
PHONE 051 650 0500/FAX 0506
OR CALL IN: 25/29 GRANGE ROAD WEST, BIRKENHEAD L41 4BY

ARNOLD COMPUTER SUPPLIES
Amiga A500 Cartoon Classics £199
Amiga A600 £199
Free local delivery (10 mile radius)
All your computer needs catered for
Please phone or fax for latest prices
Barry Voce 0602 264973
11 Campion Street, Arnold, Nottingham NG5 8GR

JEWEL PD (0623) 754061
1000's of quality PD and Shareware Programs from only 99p per disk. Free postage. Free printed catalogue or three 2nd class stamps for disk catalogue.
JEWEL PD
19 Hodgkinson Road, Kirkby-in-Ashfield, Notts NG17 7DJ

USER FRIENDLY
66 Oaktree Lane, Mansfield NG18 3HL
(0623) 660122
Stockists of all Amiga products, software and hardware at highly discounted prices. Full public domain library available. Full technical back-up. Mail order only at present.

LAZER PD
For all you P.D. FREAKS!!!
Loads of titles at HAPPY prices.
For more info CALL (0566) 775164 or FAX (0566) 776444.
Send an SAE to: LAZER P.D. 21 Tavistock Road, Launceston, Cornwall PL15 9HF for catalogue.

100'S OF AMIGA AND ATARI ST/E
Games, Utilities, Music plus many more AT JUST 90p
SEND NOW FOR FREE LISTS AND ORDER FORM. NO OBLIGATION.
PENGUIN PUBLIC DOMAIN, PO BOX 179, READING BERKS, RG3 3DD

PYRAMID PD
262 ALEXANDRA ROAD, ASHINGTON NORTHUMBERLAND, NE63 9RJ
DISKS FROM 75p FREE POSTAGE!
DISK CATALOGUE : 75p or 50p & SAE
HUNDREDS OF P.D. DISKS REVIEWED

MILITARY SIMULATIONS
For those interested in intelligent strategy wargames.
Send S.A.E. for details to:
K W Software
155 Ringinglow Rd, Sheffield S11 7PS

F2 MAIL ORDER
19 LONDON ROAD NORTH, LOWESTOFT, SUFFOLK NR32 1BA
Stockers of Amigas, PC's and Citizen printers
100 x 3.5 DSDD bulk disks £38.99 incl. VAT FREE POST AND PACKING.
Write for free catalogue, F2 Mail Order is the mail order division of F1 Return.
(Shop prices may vary)

CARMARTHEN HOME COMPUTERS
5 Albion Arcade, Mill Street, Carmarthen, Dyfed SA31 3AB
Tel/Fax (0267) 231520
New Amiga 600's from only £199 ! New low prices throughout the Amiga range. All peripherals and software supplied at competitive prices. Phone now for prices.

E.M. COMPUTERGRAPHIC
1992 Amiga Shopper top typeface winners
Don't mess with the rest....
Buy from the best!
EMC is a dedicated Amiga DTP Business Specialising in the distribution of fonts and clipart. We have a proven track record for technical support and high quality products. Please refer to our main adverts in JAM, Amiga Mart and Amiga Computing for more details, or send a SAE for information pack.
8 EDITH ROAD, CLACTON ON SEA, ESSEX CO15 1JU
Tel: (0255) 431389 Fax: (0255) 428666

SOUTHWEST COMPUTER EXCHANGE
HARDWARE · CARTRIDGES · PRINTERS · SOFTWARE
SELLING? BUYING? EXCHANGING?
YOUR PRICE! YOUR AREA!
NATIONAL OR LOCAL SEARCH
SEND S.A.E. TO:-
SOUTHWEST COMPUTER EXCHANGE
49 HULHAM ROAD, EXMOUTH EX8 3LB

GVB-PD
AMIGA PUBLIC DOMAIN
43 BADGER CLOSE, MAIDENHEAD, BERKSHIRE SL6 2TE, ENGLAND
PHONE: (0831) 649386 ANYTIME, FOR INFORMATION OR- (0628) 36020 EVENINGS AND WEEKENDS.
Public Domain and Shareware one pound per disk plus 50p P&P
For catalogue disk send three 24p stamps.
Animations - Demos - Slideshows - Music disks - Games - Fred Fish up to 760 & Docs disks.
T.A.C.K. V1.2
The Animation Construction Kit. Show your Anims with music.
T.A.C.K. Music Modules, T.A.C.K. Menu Pictures
GAMES Flashbier-Tron-Drip-Spacewars-Star Trek-Caverunner
Text Adventures-Super Twin Tris-Star Trek The Next Generation
Return to Earth-Headgames-Defender-Jetman-Cricket-Catcomb

Jorvik PD
Tel (0904) 624637
"Why don't you give us a ring"
Benefit From Annual Membership
22 Hemlock Avenue, Huntington, York YO3 9DG.

GAMES GROTTO
Game exchange, Sega and Nintendo from £3.00 +P+P.
Amiga/PC PD Catalogue disk only £1.00
PD Software 99p per disk. Budget games from only £4.99
Latest titles always in stock.
132 Derby Lane, Old Swan, Liverpool L13 3DW.
Tel 051-252 1020

THE VERY BEST AMIGA USER GROUP
Offering thousands of new contacts. Free help and advice, second-hand hardware and software bought/sold/exchanged. Exclusive massive club discounts. Latest product information and member reviews. Plus the best fan/diskzines and millions of PD/Shareware titles. For Free information pack send an SAE to:
CHIC COMPUTER CLUB (AF)
P.O. Box 121, Gerrards Cross, Bucks SL9 9JP
(0753) 884473.
Trade & Dealer enquiries welcome. Plus FREE publicity for new software/fanzines etc. Contact us now!

PD ONLY 89P PER DISK, 69P FOR CLUB MEMBERS
PD orders despatched within 24 hours. Hundreds of Disks available
Catalogue Disk 75p, P&P free on all items

Assassins Games Disks (1-50)	Non members	Members
Any 10 Disks	£7.50	£6.50
Any 20 Disks	£14.60	£12.60
Any 30 Disks	£21.30	£18.30
Any 40 Disks	£27.60	£23.60
Any 50 Disks	£33.50	£28.50

Haven Computing, 15B Meeching Road, Newhaven, East Sussex BN9 9RL

STAR TRONICS
For a fast & reliable but foremost friendly service. We offer a tremendous range of Public Domain Disks
Call us on
0457 857068
Send 50p for catalogue on disk
26 Pennine Road, Glossop SK13 9NN

Convert your Amstrad COLOUR MONITOR £9.95
464/6128/664....£9.95
with Stereo Speakers...£39.95
464 Plus (includes sound)...£19.95
Hagars Electronics
3 Victory St, Sheerness, Kent ME12 1NZ Tel (0795) 663336

MICROLAND BULLETIN BOARD SYSTEM
0891 990 505 To Download
0483 725 905 To View
Amiga shareware including files from the Fred Fish Collection plus lots more to download at V32bis, V32, V22bis, V22, V23, & HST 8 data bits, no parity.
Calls to 0891 990 505 charged at 36p per minute cheap rate, 48p per minute all other times. Trevan Designs Ltd. PO Box 13 Aldershot, Hants GU12 6YX

KT's P.D. (SOFTWARE)

FOR THE AMIGA 500/500+/600/1200 USER

GAMES
- ❑ TOP SECRET +
- ❑ POM POM GUNNER +Y
- ❑ KIDS DISK 1 +Y
- ❑ DR MARIO +
- ❑ NEIGHBOURS (2) +
- ❑ SUPER SKODA CH +Y
- ❑ OBLIVION
- ❑ FIGHTING WARRIORS +
- ❑ NUMERIC +
- ❑ FRUIT SALAD
- ❑ DELUXE PACMAN +Y
- ❑ DONKEY KONG +
- ❑ WHITE RABBIT +Y
- ❑ BLIZZARD +
- ❑ TETRIS AGA
- ❑ OXYD
- ❑ SOCCER CARDS
- ❑ ULTIMATE STAR TREK (2) +
- ❑ CROSSFIRE +

UTILITIES
- ❑ V MORPH +Y
- ❑ A GENE +Y
- ❑ ASI GFX UTILS +Y
- ❑ THE DESIGNER V2.1
- ❑ D-COPY +Y
- ❑ DYNAMITE FONTS (2) +Y
- ❑ WIND BLEND
- ❑ EV CALC +Y
- ❑ PRINTSTUDIO +Y
- ❑ OPTICOMMS 2 +Y
- ❑ ENGINEERS KIT +Y
- ❑ SID 2 +Y
- ❑ FREECOPY +Y
- ❑ STARCAT 2 +Y
- ❑ AMIGA BEGINNER +Y
- ❑ KICK 1.3 +Y
- ❑ AGA SLIDES (5 DISKS)
- ❑ SPECTRAPAINT +
- ❑ TOTAL IRRELEVENCE +Y
- ❑ TEXT ENGINE (4)+

DEMOS
- ❑ COMA DEMO
- ❑ SPACEBALLS
- ❑ NEW TEK 3 + (2)
- ❑ ALPHA AMIGA 2 (3 DISKS)
- ❑ SYGNOSTIC
- ❑ INTENSE (2 DISKS)
- ❑ ODYSSEY (5)
- ❑ BUDBRAIN MEGA + (2)
- ❑ REFLEX DEMO +
- ❑ ALCATRAZ MEGA + (3)
- ❑ HOY AGA Y
- ❑ VANGELIS DEMO +
- ❑ THE JUGGLER PACK +
- ❑ ANTI-LEMMING + (2)
- ❑ GLOBAL TRASH +
- ❑ LUXO TEENAGER +
- ❑ DEMON DOWNLOAD (2)
- ❑ MAY DAY +
- ❑ REBELS MEGA +
- ❑ 3D DEMO (II)

MUSIC
- ❑ AMIGADEUS +
- ❑ MED 3.2 +
- ❑ MED MODULES NO2 +
- ❑ MUSIC MANIA +
- ❑ CRUSADERS BACTERIA +
- ❑ MATHONY KAKTUS +
- ❑ REBELS MEGABLAST
- ❑ F.O.B. + Y
- ❑ D-MOB 2 +
- ❑ TECHNOTRONIC +
- ❑ ERM 93 DANCE 1 +
- ❑ RAVE VISION (INTENSE) +
- ❑ JOCHENHIPPEL
- ❑ JESUS ON Es (2) +
- ❑ NOISEPLAYER 4 +
- ❑ BRUNO's MUSIC BOX 2 +
- ❑ PRO SOUND SAMPLES 1 +
- ❑ QUADRICA +
- ❑ KT's MODULES 4 +

ANIMS
- ❑ UNSPORTING +Y
- ❑ FILLET THE FISH +
- ❑ GULF WAR +Y
- ❑ AT THE MOVIES +
- ❑ PUGGS IN SPACE
- ❑ MAGICIAN 2 +Y
- ❑ AMY V WALKER +Y
- ❑ JET ANIMATION +Y
- ❑ HOW TO RUN INTO A WALL +Y
- ❑ BATMAN +Y
- ❑ STEALTHY MANOEVRES 2 +Y
- ❑ GYMNAST +Y
- ❑ JUGGLER +Y
- ❑ ATF AGILITY +Y
- ❑ GULF CONFLICT +
- ❑ SCHWARTZ 3 ANIMS +Y
- ❑ BUSY BEE & TREE FROG +
- ❑ MR POTATO HEAD +
- ❑ DONALD DUCK +

ORDER ANY TEN DISKS FROM ABOVE, AND CHOOSE TWO FREE (+ WORKS 500+ & 600+) (Y=WORKS 1200)

DISK PRICES (ONE OR ONE HUNDRED) 80P EACH

SEND FOR CATALOGUE DISK. 50P OR FREE WITH YOUR FIRST ORDER

HOW TO ORDER
PLEASE SEND P.O. OR CHEQUES. BANKERS CARD NO ON BACK PLEASE. TO KT'S P.D. (SOFTWARE) ALL ORDERS DESPATCHED WITHIN 24 HOURS. 1ST CLASS POST.

TEL: 0702 542536 ANYTIME
POST & PACKING UK 60P ORDER. EUROPE + 20P PER DISK. REST OF WORLD +40P PER DISK

WE STOCK
FRED FISH, SCOPE, CLR LICENSEWARE, ASSASSINS COLLECTION

100 PD GAMES £10

75 THE DRIVE, ROCHFORD, ESSEX SS4 1QQ

Amiga-64-Link

- Links C64 peripherals to Amiga parallel port
- C64 Not required

Connects C64 printers to the Amiga

- Supports MPS, DPS, VIC, Star, Brother, Seikosha & Citizen printers
- Graphics output on dot-matrix printers
- Works with all software

Transfers C64 disk files to the Amiga

- File transfer programs
- Read/Write text, binary & program files

Standard "Ami-64-Link" £35.25 — *Prices include VAT and delivery*

Budget "Ami-64-Link" £23.50 — *Budget stops multi-tasking during printing*

York Electronic Research (0904) 610722
The Paddocks, Jockey Lane, Huntington, York Y03 9NE
VISA

Express Pd

1. Protracker V.3 (P) (New Update)
2. Hard Drive Utilities (2) (P)
3. Opticom V2.2 (NCom V2 etc) (P)
4. Sid V2 (P)
5. Messysid V2 (P)
6. How to Code in C (2) NEW
7. Order V1.7 (P) (database Prog)
8. Astronomy Pack 1 (4) (P)
9. Term V3.2 (5) A1200 only
10. Amateur Radio 1-25 (25) (P)
11. C Manuals V3 (12) (P)
12. North C V1.3 (2) (P)
13. Pool Tools V2 (P) (New)
14. Free Copy V1.8 (P)
15. D Copy V3 (NP)
16. Rattle Copy V5 Pro (P)
17. Pacman Copier (P)
18. Virus Checker V6.22 (P)
19. The Science Collection (4) (P)
20. Spectrum Datadisk (P)
21. Spectrum Emulator V1.6+ Green Beret
22. A64 Emulator V2 (2) (P)
23. A64 Game disk 1+2 (2)
24. Super Kickstart. V40.3 A3000/A4000 only
25. Kick 1.3 Emulator (WB2+)
26. Action Replay V1.5 (P)
27. World Geography (P)
28. Education Pack 1 (5) (P)
29. Madonna's Sex Book (3) (P)
30. Assassin Copier disk (P)
31. Fake Fast Ram Emulator (P) (NEW)
32. Skick Multi Kickstart Emulator 1.3-v3
33. A1200 Fix Program (A1200 only)
34. Maverick Copier (P)
35. Graphic Construction Kit
36. Desktop Music Workshop (P)
37. The Money Program (P)
38. Rodbench V1.4 (Workbench 2+)
39. Easy Spell 2 (P)
40. Kids Education (3) (P)
41. Database Compilation (P)
42. X. Comm (WB2+) (New)
43. Assassins Handy Tools 3 (P)
44. Battle Cars 2 (P)
45. Super Pacman 92+ (P)
46. Deluxe Pacman V1.1a (P)
47. Hotseat Footall Management (P) (NEW)
48. VMorph V11 (NEW)
49. Card Games (2) (P)
50. Quality Time Anim (5 MEG) (4) (P)
51. A500+ 21 Games (P)
52. Assassins Games Disk (1-SS) (55) (P)
53. Classic Games Pack (5) (P)
54. Cash Fruit (P)
55. Super Skoda challenge (P)
56. Relayer (New Game) (P)
57. Bomb Jacky (new) (P)
58. Dodgem (NEW)
59. Tennis Game 1 Meg (P)
60. Run Kernal Manual (4) (P)
61. Neighbours Game (2) (P)
62. Raid Four (P) (New)
63. Grapevine Issue 15 (P) (3)
64. Clip Art Disk (10) (P)
65. LSD Jesus on E (2) (20) (P)100%
66. Mirron - andromeda (2) (P) NEW
67. Retina Burning (P)
68. Kesrens Desert Dreams (2) (P) NEW
69. Leathal Exit (P) (NEW)
70. Speed Limit anim (3) (3 Meg) (P)
71. State Of The Art (P)
72. Station at Kern (3) (2 Meg) (P)
73. Hoi A1200 Demo
74. Tetris Game (new) (A1200 only)
75. Lost worlds by Balance (P)
76. Sexy Beauties (5) A1200 only.
77. Last Will & Testament (P)
78. Exotic Ripper V2.10 (P) (new update)
79. Hackers & Hacking (P)
80. Crack and Copy Utils (P)

EXPRESS P.D., Dept AMF4, 47 ABERDALE ROAD, WEST KNIGHTON, LEICESTER LE2 6GD.
Tel: (0533) 887061

All P.D. is £1.05p per disk. Buy 12+ get 1 disk free and receive free Catalogue Disk (2). Includes 3 Games, 3 Virus Killers, Charly Music Demo and complete listing of Graphics, Music, Demo Business, Utilities, DIY, T-Bag (1-63), Fred-Fish (1-810), Amos, Amisus (1-22) Scope (1-220).
Please add 60p to order from U.K., rest of Europe £2.50, rest of the world £3.00 for P&P.

ALL OUR DISKS:
- ☑ Guaranteed error free!
- ☑ Complete with own labels!
- ☑ Virus free!!
- ☑ 24 hours despatch!!

ANSWERS RECRUITMENT

Specialist Consultants to the Computer Leisure Industry

We work on behalf of leading Leisure Software Industry games publishers in locations across the UK and are currently looking to fill the following positions nationwide:

▶ PROGRAMMERS ▶ PRODUCERS ▶ GRAPHIC ARTISTS
▶ SOFTWARE DEVELOPMENT MANAGERS

You will be self motivated, of graduate calibre with some or all of the following skills: fluent C or assembler experience with either 68000, 80x86, 6502, ARM processor experience. Graphic Artists must be able to demonstrate use of D. Paint. All positions offer an excellent salary package.

Please apply in writing with full CV detailing current salary to
Jacqui Talbutt, Answers Ltd, Anderson House, 50 Bridge Street, Northampton NN1 1PA Tel: 0604 603249 Fax: 0604 36961

BUILD MUSCLES FAST



YOU CAN BUILD A FANTASTIC POWER PACKED BODY IN ONLY 12 WEEKS!

NEW! Fastest and best way to build muscles and strength without weights - **EVER! SCIENTIFICALLY PROVEN.** Just 20 minutes daily in the privacy of your home will develop an amazing physique.

MUSCLE DYNAMICS is a new bodybuilding system based on principals developed after years of exhaustive research. It is a total exercise programme involving the very latest scientific breakthroughs in the field of muscular development. It is the fastest, most effectve way to build muscles in existence.

NOTICEABLE RESULTS IN 28 DAYS GUARANTEED
Send for exciting FREE information pack today

MUSCLE DYNAMICS (AF)
PO BOX 70, DOUGLAS, IM4 6PT

Yes! I want to build muscles fast. Please rush me my FREE information pack!

Name ....
Address ....
....
....Postcode ....

(A Stamp for reply appreciated)

Amivision Software present the NEW
FORMULA ONE CHALLENGE v4

An incredibly addictive and detailed Formula One simulation for 1 to 4 players. Watch the races as they unfold with three levels of highlights. Crashes, spins, pile-ups, car failures, pitstops, weather changes, fastest & record laps. Four independent levels of difficulty. Accurate and detailed graphics of the teams, circuits etc.

15 teams, 2 cars per team, 50 drivers with varying skills, complete engine and tyre contracts. Choose tyre compounds, tune your engines, change wing settings, even train your pit crew! Qualifying, 16 accurate championship circuits, news section, realistic sound fx, load/save games, weather forecasts, statistics saved, latest FISA rules, full drivers and constructors championships (redesigned).

Includes full 1993 season. Details can be easily updated each year.
Incredibly addictive, produced by true Formula One fans.
This is the most realistic Formula One simulation, guaranteed.

JUST £14.95! INCLUDES INSTRUCTION MANUAL

Vastly updated since v3, full details available. A1200 compatible.

→ PLEASE MAKE CHEQUE/POSTAL ORDER PAYABLE TO:- S. RENNOCKS ←

Dept. AF, 1 Cherrington Drive, Great Wyrley, Walsall WS6 6NE

BUILD YOUR OWN ROBOT

NEW ROBOT ARM NOW AVAILABLE

With the **AMIGA INPUT/OUTPUT PORT** £27.95

Now you can use your Amiga to switch electric motors, respond to sensors and control robotic devices, 11 Outputs for motors etc. Up to 13 inputs for sensors + 2 analog inputs. Easy to program in AMIGA BASIC, AMOS, GFA & HISOFT. 21 page User Manual.

"An outstanding value for money product." Amiga Computing

£1 OFF *if purchased with I/O Port.*

NEW! I/O Port with built in dual motor drive £39.95 (Requires power supply)

AMAZING SENSOR & CONTROL EXPERIMENTERS KIT £27.95

6 plug-in Projects. No soldering required. Includes relay module, motor, tilt sensor, reed switch, light bulb, 4 LEDs, powerful software on disk and **FREE "Guide to Amiga Interfacing"**.

COMPLETE ROBOT BUGGY KIT (excl I/O Port) £43.95
Switchscript - Amazing Automation Program Disk £14.95 (£2 off if bought with I/O Port)

TEMPERATURE & LIGHT EXPERIMENTERS KIT £11.95

Thermo & Photo sensors plug into analog inputs + superb "Amitrol" software.

MAINS CONTROLLER MODULE £22.95

Please send cheque payable to SWITCHSOFT *or ring Switchsoft on* **0325 464423 / 0325 365773.**
£1.50 P&P. Overseas add £4.

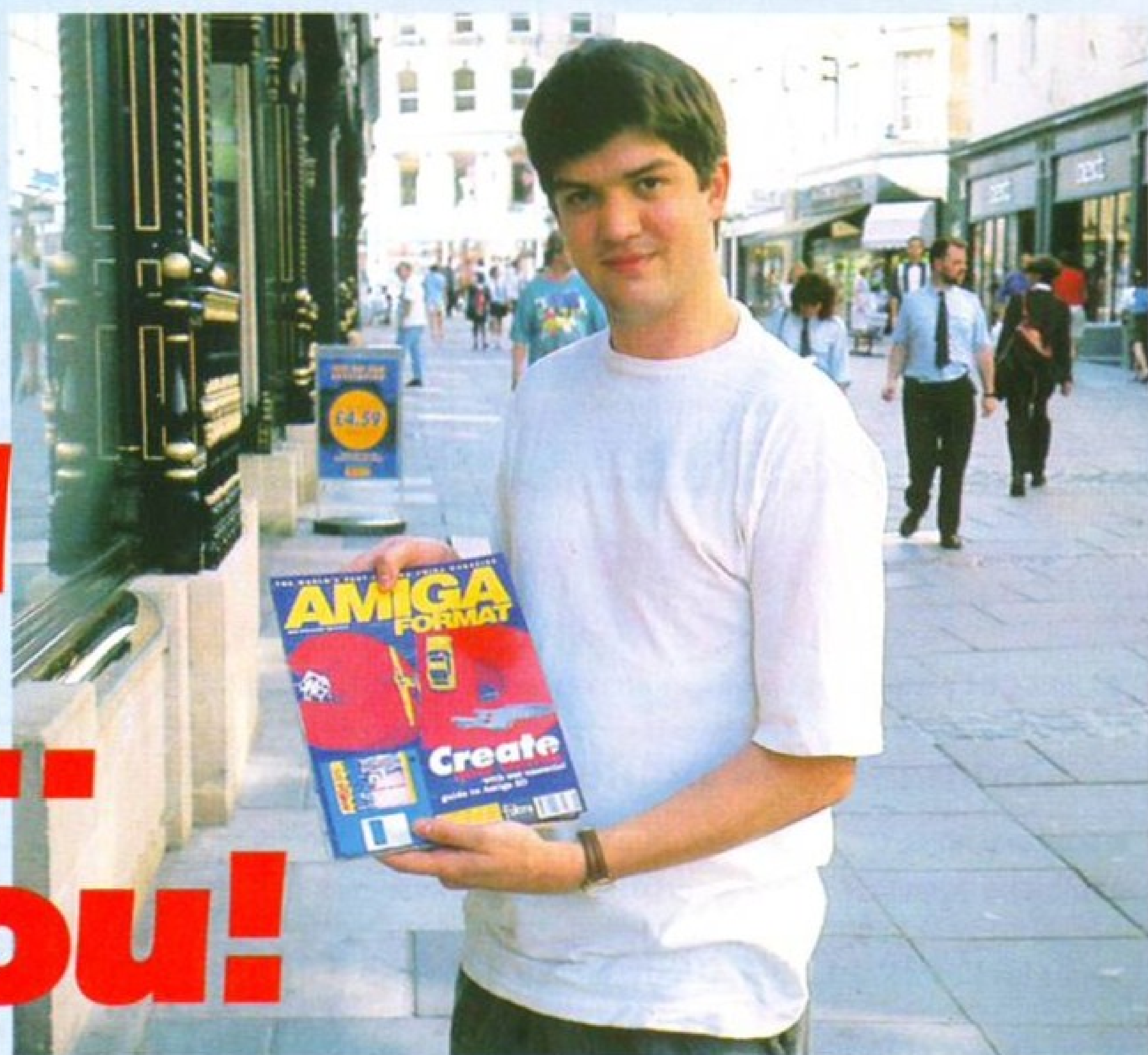
SWITCHSOFT

SWITCHSOFT, Dept AF893, 26 Ridgeway, Darlington, Co. Durham DL3 0SF

If not satisfied, return any product within 10 days for a full refund.

VISA

Every year, we at **Amiga Format** conduct a reader survey to find out more about you lot. We do it so that we can make the magazine more relevant to what you want, but the results are always pretty interesting. Join **Marcus Dyson** and discover what kind of company you keep...



Pleased to meet... you!

EXCITEMENT ABOUNDS IN the *Amiga Format* offices when the questionnaire results begin to flood in. We all gather around Steve (the boy) Bradley's desk and rip open envelope after envelope, sharing and comparing responses. The reason for all this excitement is two fold. Firstly it's a bit of a reward for us, after months and months of hard work trying to bring you the best Amiga mag in the world, it's great to hear you say you like it. Secondly it lets us know a bit more about you, what you use your machine for, and what hardware and peripherals you have.

Studying the results helps us to decide what features, round-ups and reviews to do in the coming year. So come on a journey of discovery and analysis through this year's results, find out a bit more about other Amiga owners, and maybe even get a clue as to what you can expect to see in coming issues of your favourite Amiga magazine.

Sex. Not surprisingly, you are a mainly male bunch. But the female contingent of our readership continues to increase. Since last year it has jumped 50 per cent to a total of 6 per cent of the total. We welcome you, and all new readers.

Overall the readership seems to be becoming less games orientated, and more interested in the serious and creative power of the Amiga. A couple of years ago 99 per cent of you said that you were gamesplayers, now 6 per cent of you claim never to pick up a joystick. We've always maintained the Amiga's more than a games machine, but most people still like a good blast on the old leisure software.

The A500/Plus/600 still form the vast majority of Amigas in use, but the A1200 has made a very healthy debut with 19 per cent of readers now in possession of one. A further 18 per cent of you say that you are interested in getting an AGA machine in the near or medium future, a further 36 per cent of you making the leap eventually.

Those questionnaire results in

What sex are you?			
Male	94%	Female	6%

How old are you?	
11 or under	3%
12-16	18%
16-18	15%
19-25	22%
26-40	34%
41+	9%

Do you play Amiga games?			
Yes	94%	No	6%

What is your main occupation?	
Full or part-time employment	48%
In education	42%
Not currently employed	8%

What model of Amiga do you own?	
A500	46%
A500 Plus	20%
A1200	19%
A600	14%
A1500	4%
A2000	4%
A1000	3%
CDTV	3%
A3000	2%
A4000	2%

Upgrade Kickstart/Workbench	
Unsure about upgrading	19%
Have upgraded	18%
Planning to upgrade	12%
Don't want to upgrade	12%

Do you intend to upgrade to an AGA machine?	
Yes, right away	5%
Yes, this year	13%
Yes, eventually	36%
Not bothered	26%

What's your favourite style of game?	
Simulations	29%
Adventure/RPGs	28%
Strategy, god games	23%
Platform	22%
Driving games	17%
Puzzle games	14%
Shoot-em-ups	11%
Sports games	11%
Beat-em-ups	7%
None at all!	3%

Which kinds of hardware do you own?	
Joystick	86%
Printer	67%
Extra floppy disk drive	61%
Monitor	49%
TV used as monitor	48%
Replacement mouse	44%
Internal RAM expansion	44%
Sound sampler	18%
External RAM expansion	16%
Internal hard drive (A500)	15%
Modem	12%
Internal IDE hard drive	10%
Video digitiser	9%
MIDI interface	8%
Internal SCSI hard drive	8%
Accelerator	7%
Genlock	7%
PC Bridgeboard/emulator	4%
CD-ROM drive	3%
24-bit graphics card	1%
Pseudo 24-bit system	1%

Which kinds of hardware do you intend to buy?	
Extra floppy disk drive	23%
Printer	19%
Monitor	19%

A sample reader...

We thought it was a good idea for Steve 'the boy' Bradley to meet a reader in the flesh. So we sent him down to WH Smith, with a camera in one hand and a questionnaire in the other, and he asked the following to *Amiga Format* reader Duncan Watts...

What is your main occupation?
"I'm a student studying at Bath University, but I'm originally from Tregaron in Wales."

What Amiga do you own?
"I have an A500 with a hard drive which I've had for about a year now."

Do you intend to upgrade to an AGA machine?
"Yes, hopefully this year to an A1200."

What's your favourite style of game?
"Well, my favourite game is *Sensible Soccer*, though the computer teams are too easy to beat."

What would you like to see more of in Amiga Format?
"I'd like to see more hardware and peripheral reviews, and in game reviews it would be nice to see more comparisons between games."

Amiga Format readers have long had a reputation as thinking gamesplayers, and this is reflected in the kind of games you favour – sims, role-playing games and strategy games being the most popular genres, with platformers coming a firm third.

In terms of expansion you are a well equipped bunch, significant amounts of you owning printers, monitors, extra drives and RAM expansions. The number of you owning replacement mice would probably be significantly less if the one that was bundled with the A500/600 had been any good.

All this hardware hasn't stopped your lust for power though, and many of you are intending to upgrade further in the coming year. Top of the wish lists are floppy drives, printers and monitors, presumably for the minority of you who don't already own those pieces of kit.

Also high on the desirables are IDE drives (turn to page 56 now and you could win one) for all you new A1200 owners, accelerators (turn to page 38 now for a comprehensive round-up of Amiga speed machines), modems, video digitisers, sound samplers and genlocks.

It certainly sounds like a whole lot of you are about to get down to some serious creativity work with your machines.

The *Amiga Format* Collection has certainly changed the established patterns of software ownership. While last time we did a survey a mere 53 per cent of you owned a word processor, since we gave away *Scribble!* 76 per cent of you now have one. Database (36 to 63 per cent), Programming language (31 to 57 per cent), video titling (7 to 31 per cent) and DTP (21 to 44 per cent) software all showed large increases. Interestingly, full packages that we had already given away before the last survey (music and paint) showed comparatively less increase, while programs that were never given on an *Amiga Format* Coverdisk (comms, 3D and educational) showed virtually no increase. Although this is testimony to the popularity and success of the *Amiga Format* Collection, it rather obscures the pattern of software ownership for us to base features and round-ups on, since owning a piece of software no longer necessarily means that you use it or are interested in that area.

More useful to us is what software you intend to purchase next year, and that list reads like this... 3D graphics (which explains what all the accelerators are for), DTP, music and word publishers all feature highly on many people's Christmas lists. The stunning news is that a huge 18 per cent of you are after a copy of *Deluxe Paint IV*, which must make Electronic Arts a very happy company indeed. And just to keep things as interesting as ever we'll be reviewing *Brilliance* soon, a new AGA paint package which could be a major competitor to *DPaint*.

As for the PD pool, around three quarters of you have dipped your toe in at least once, and the majority have done so more times. It's not surprising really when one considers the wealth of software you can get, and how cheap it is too. We'll keep pointing you in the direction of the best stuff in our PD Update and Demo Zone sections.

And now to the bit we really have to sit up and take notice of: what you think of the magazine and which are your favourite bits. This one is tricky to judge, and the numbers in the panel below are open to interpretation. What we did is add up all of you who said each subject was your main area for buying the mag, add on all of you who wanted to see more, and take away all who said they wanted to see less.

It's a strange way to do things, but it gives a pretty good idea what are the most popular areas. News scores top, but then the purpose of any magazine is to inform you of new products and services, so there are no surprises there. Next is the serious stuff on the Coverdisk, we're getting a bit squeezed by the size of most game demos these days, but we'll keep trying to get the balance right. And we've introduced a whole disk full of utilities for subscribers, so you can save money and get two disks as well!

Here at *Amiga Format* we think the Amiga is the best home computer, great for games, but even better for creative use. You lot obviously think the same. Rest assured we'll do our best to keep giving you what you want.

(you guessed it)...full!

Accelerator	18%
Internal IDE hard drive	18%
Replacement mouse	15%
CD-ROM drive	14%
External RAM expansion	12%
Internal hard drive (A500)	12%
Modem	12%
Internal RAM expansion	11%
Video digitiser	11%
Sound sampler	10%
Genlock	10%
MIDI interface	8%
Internal SCSI hard drive	5%
Joystick	5%
PC Bridgeboard/emulator	4%
24-bit graphics card	4%
TV used as monitor	3%
Pseudo 24-bit system	1%

Which non-games software do you own?	
Word processor	76%
Database	63%
Deluxe Paint III	62%
Programming	57%
DTP	44%
Other paint	44%
Music	43%
Spreadsheet	37%
Deluxe Paint IV	34%
Structured drawing/CAD	32%
Video titling	31%
WP plus graphics	25%
Accounts	22%
3D graphics	20%
Educational	17%
Comms	8%

Which serious software do you intend to buy?	
Deluxe Paint IV	18%
3D graphics	12%
DTP	12%
Music	11%
WP plus graphics	10%
Programming	9%
Spreadsheet	8%
Accounts	7%
Other paint	7%
Word processor	6%
Educational	6%
Video titling	5%
Comms	5%
Database	4%
Deluxe Paint III	2%
Structured drawing/CAD	3%

Have you ever bought software from a PD library?	
Often	17%
Occasionally	43%
Just once	12%
Never	28%

What is your favourite part of Amiga Format?	
News	77%
Serious Coverdisk programs	54%
Hardware reviews	51%
Intros to new ways of using your Amiga	49%
How to do it' features	45%
Advice/help sections	45%
Buyers guides to hardware	43%
Buyer's guides to software	41%
Serious software reviews	33%
Games reviews	32%
Features on how the Amiga works	30%
Public Domain coverage	27%
Graphics coverage	24%
Beginner's series	24%
Game tips/cheats	22%
Competitions	22%
Letters	21%
Coverdisk game demo	9%
Ads	-11%

New Horizon Computers

The Hard Drive Specialist

A1200/40 MEG HD



SPECIAL OFFER
£475.00
INC VAT

Other Sizes Available Call for Latest Prices

INCLUDES 2 YR EXTENDED WARRANTY

HARD DRIVE DIY KITS FOR A1200 OR A600

INCLUDES HDTOOLBOX AND INSTALL 3.0/2.0

PHONE FOR LATEST LOW LOW PRICES

20, 40, 63, 80, 85, 128, 137, & 210 Meg In Stock Now !!!

☆ ☆ ☆ INSTALLATION ☆ ☆ ☆

New Horizon will collect your Amiga, fit the drive of your choice and deliver it back to you within 48 hours. Full 12 month RTB Warranty on your Computer when we install the drive. Wang UK carry out our repairs. Phone our Sales Hotline for further details.

☆ ☆ ☆ SPECIAL OFFER ☆ ☆ ☆

A1200 BLIZZARD

32 BIT TRAPDOOR MEMORY AND FPU ACCELERATORS

Includes Real Time Clock and Zero Wait State Memory

MODEL	CONFIGURATION	PRICE
A1200/4	4 MEG 32 BIT FAST MEMORY	£169.00
A1200/4A	4 MEG PLUS 14 MHZ 68881	£218.00
A1200/4B	4 MEG PLUS 20 MHZ 68882	£248.00
A1200/4C	4 MEG PLUS 33 MHZ 68882	£268.00
ADD4	ADDITIONAL 4 MEG MEMORY	£149.00

HOW TO ORDER



1. By Phone. Next Day Delivery on Small Items add £5.00. Next Day delivery on Computers, Monitors and Printers add £12.00



2. By Post. Send a cheque or Postal Order made payable to New Horizon Computers and post with your Order to

New Horizon Computers (Mail Order)
High Hope, Lea,
Ross on Wye, Herefordshire HR9 7LN


CREDIT CARDS WELCOME


SALES HOTLINE 0989 750260 TECH SUPPORT 0989 750337

Dynamic Computer Games

Animation company requires
Experienced 80x86 / 68000 programmers
Graphics artists
(Computer experience desirable, but not necessary)
for various projects on existing and future platforms.

Send CV + covering letter to
DCD Ltd
Suites 28 & 29
The Chubb Buildings, Fryer St.
Wolverhampton WV1 1HT

Matrix Software Club

The guaranteed way to safeguard your money

Buy your software from us and we'll buy it back! - guaranteed!

*THE LATEST & THE POPULAR BUSINESS, UTILITY, EDUCATIONAL, LEISURE * NO COMMITMENT TO BUY * SUPER GUARANTEED PRICES * FAST SERVICE * ESTABLISHED 1981 * OVER 3000 MEMBERS *





Send S.A.E or phone (24 Hours) for information pack.
Matrix Computing Services, Dept AMF8,
2 French's Yard, Amwell End, Ware,
Hertfordshire SG12 9HP
0920 484479 - 24 Hours

AMIGA REPAIRS

FIXED CHARGE ONLY £42.99 Incl.

Est. 12 Years

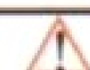
- FIXED CHARGE INCLUDES PARTS, LABOUR, DELIVERY, VAT
- 90 DAY WARRANTY ON ALL REPAIRS
- 24 HOUR TURN-AROUND ON 95% OF REPAIRS
- ALL UPGRADES PURCHASED FROM US FITTED FREE WITH REPAIR
- INCLUDES REPAIRS TO DRIVE & KEYBOARDS, ADD £10.00 IF NEED REPLACING, FULL DIAGNOSTIC TEST AND SERVICE



SPECIAL OFFERS



INTERNAL 3.5" DRIVE *Simple to fit, fully documented*	£38.99	A500 MODULATOR *Exchange/Repair*	£18.00
ROM SWITCHER *Keyboard/mouse switched*	£14.95	A500 KEYBOARDS *Factory new, Genuine part*	£44.10
KICKSTART 1.3 ROM *For software compatibility*	£25.00	FATTER AGNUS 8372A *1 Meg chipram compatible*	£36.50
KICKSTART 2.05 ROM *Upgrade to A500+ ROM*	£29.90	CIA IC *Printer, Serial, Drive ports*	£9.20
SUPER DENISE *Excellent value*	£28.70	GARY IC	£11.50
		PAULA IC	£19.95
68000 CPU	£15.00	DENISE	£19.95


ATTENTION ALL DEALERS


Our company now offer the most competitive dealer repair service.
Full credit facilities available.
Send for our FREE information pack today...

AF08

We reserve the right to refuse repair for whatever reasons
Prices only valid with this coupon

Service HOTLINE (0533) 470059
DART Computer Services
105 London Road
LEICESTER LE2 0PF



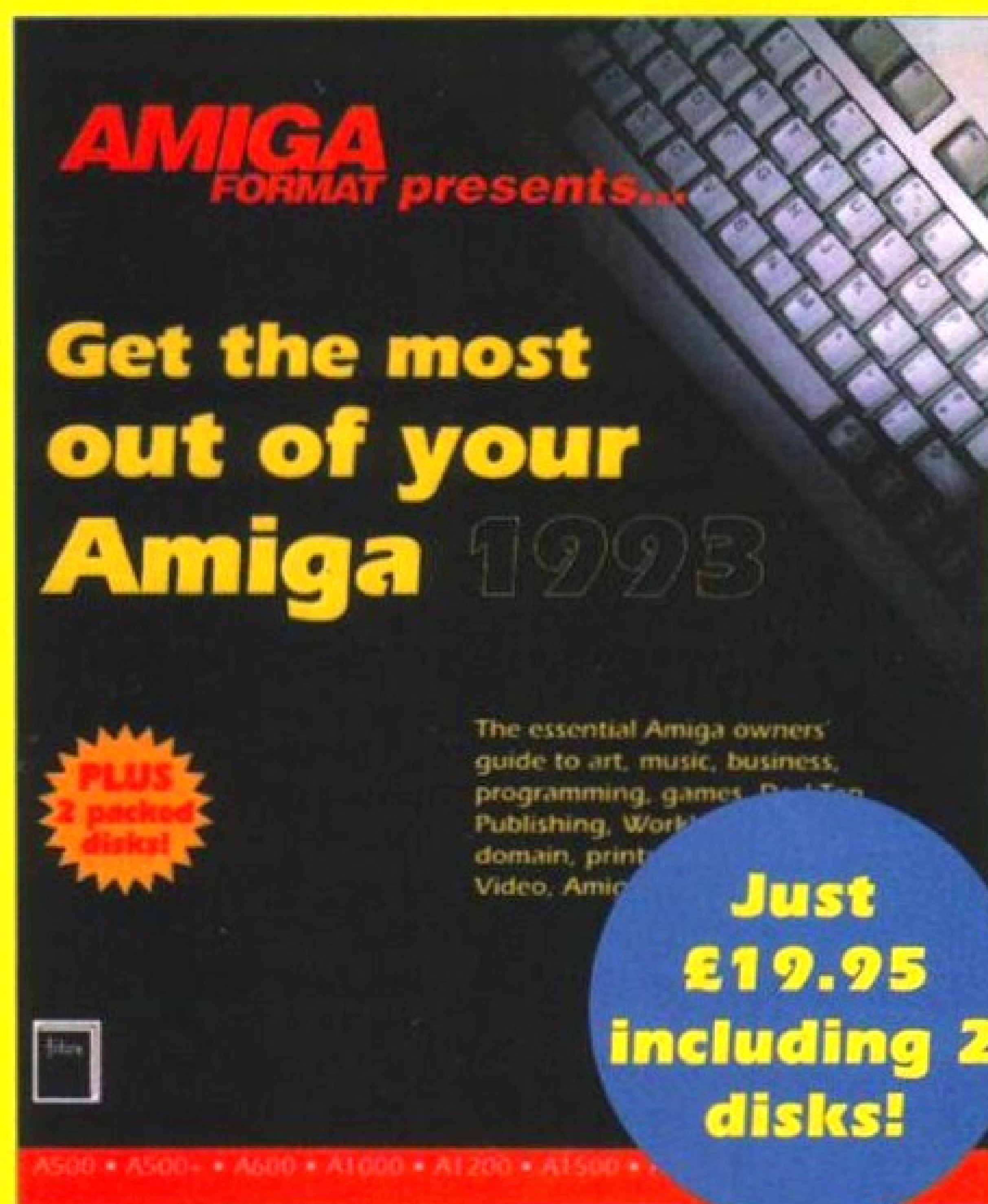

DART Computer Services

What's your Amiga good for?

ANSWER:

- Computer art
- Desktop video
- Games
- 3D modelling
- Comms
- Programming
- Multimedia
- Business
- Word processing
- Desktop publishing
- Music

(...Cont. on p2194)





Get the Most out of your Amiga 1993 is the third edition of the best-selling Amiga title first launched in 1991. The aim is simple: to produce the most authoritative, comprehensive and up-to-date guide to the Amiga, its uses and its software. Separate sections are devoted to specific subjects like music, word processing etc. and they're structured so as to provide background information about that area followed by specific product recommendations.

The Amiga market continues to expand at a terrific rate following last year's hardware launches. Because of this, **Get the Most...** has been completely rewritten for 1993, and in the process has swelled to well over 300 pages. Also included are two disks packed with specially-selected public domain and shareware software.

The Amiga is the most powerful, versatile and cost-effective computer there is. Find out just what yours can do with **Get the Most out of your Amiga 1993.**

- 300+ pages
- 90 reviews
- 50+ game tips
- 1.5Mb software

Get the Most out of your Amiga 1993 Priority Order Form

Get the Most out of your Amiga 1993 will be available in the shops, but you can order a copy of this book right now, direct from our own Mail Order department. Postage and packing is FREE – you don't even need a stamp to send this order off!

Please send me: (tick as appropriate)

............copy/copies of **Get the Most out of your Amiga** 1993 at £19.95 each

Method of payment (please tick one):

VISA ☐ ACCESS ☐ CHEQUE ☐ P/O ☐

CARD NUMBER ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

Expiry date: ☐☐☐☐

Please tick here if you do not wish to receive direct mail from other companies: ☐

Your name ....

Your address ....

....

....

Your signature ....

Now send this form to:

Future Leisure Books Offer
Future Publishing Ltd
Freepost
Somerton
Somerset TA11 7BR

For office use only:

ORDER CODE: FLB009A

REPAIRS REPAIRS

Repairs to Amiga 500/600/1200. Cost effective repairs for just **£15.00** to obtain a quotation plus parts.

Typical repair price £39.00
All repairs soak tested and warranted for 90 days.
Upgrades and hard drives supplied and fitted.
Send or hand deliver your computer to our showrooms.
Collection service available.

★ Please include a fault description, contact telephone number and address when submitting your computer.

0234 218228 ASK FOR WAYNE
COMPUTER MALL, THE HARPER CENTRE, BEDFORD MK40 1TP

3.5" DSDD DISKS QTY'S 100+ 35 P EACH

QTY'S BELOW 100 @ 37P EACH

100% GUARANTEED INCLUDES LABELS AND VAT

100 CAPACITY DISK BOX 3.5"	£4.75	PYTHON 1M JOYSTICK	£9.95
50 CAPACITY DISK BOX 3.5"	£3.50	MAVERICK 1M JOYSTICK	£12.95
QUALITY MOUSE MAT	£2.50	COMP PRO. STAR J/STICK	£13.95
ROBOSHIFT MSE/JST SWITCH	£12.95	COMP PRO. EXTRA J/STICK	£13.95
3.5" CLEANING KIT	£1.95	CRUISER BLACK J/STICK	£10.95
AMIGA MOUSE (350 DPI)	£12.95	CRUISER MULTI J/STICK	£10.95
AMIGA EXTERNAL DRIVE	£52.95	SPEEDKING A/F J/STICK	£10.95
A500 0.5MB RAM UPGRADE	£19.95	STARFIGHTER 3 PAD	£12.95
A500+ 1MB RAM UPGRADE	£34.95	ZIPSTICK A/F JOYSTICK	£12.95
A600 1MB UPGRADE	£39.95	S/KING ANALOGUE J/STICK	£12.95

SPECIAL OFFER

200 x 3.5" DSDD DISKS PLUS 2 x 100 CAPACITY BOXES £76.95

A500 DUST COVER	£3.50	STAR LC10/20 BALCK	£2.25	COL. £5.95
A600 DUST COVER	£3.50	SATR LC200 BLACK	£2.95	COL. £7.95
A1200 DUST COVER	£3.50	STAR LC 24-10/200 BL.	£2.95	COL. £8.95
ROLL 200 LABELS	£1.95	CITIZEN 120D BLACK	£2.75	
ROLL 100 LABELS	£7.95	CITIZEN SWIFT 9/24 BLACK	£2.75	
T. FEED LABELS 1000	£9.95	CITIZEN SWIFT 9/24	£8.95	

3.5" HIGH DENSITY DISKS 58p for 100+ 60p BELOW 100

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE E & O.E.

CHEQUES P/O'S TO:-
MICROMANIA DEP'T AFT
74 OLDBURY ROAD
ROWLEY REGIS, WARLEY
WEST MIDLANDS B65 OJS

PLEASE ADD £3.50 P&P PER ORDER

ORDER HOTLINE 021 559 1002

CALLERS WELCOME AT OUR SHOWROOM

ACCESS MasterCard VISA

Bizzare Computing

Computer, Console & CD Based Development

Bizzare Computing are looking to recruit the following staff to work on the development of high profile games software projects.

Programmers

- Experience in assembly programming one or more of the following processors: 68000, 8088-80486, Z80, 6502 and 65816, is essential.
- Amiga or PC games writing experience would be an advantage.

Graphic Artists

- Capable of producing highly finished background graphics, sprite animations, freehand illustrations and/or 3D Models. D-Paint experience essential.

Successful applicants will work as part of a programming team in our Hampshire offices. Salary will be based on experience and will include a productivity based bonus scheme.

Send your CV and examples of recent work to:
Kevin Parker, Bizzare Computing, Tempest House
22 Mulfords Hill, Tadley, Hampshire. RG26 6JE.
Tel: (0734) 820073, Fax: (0734) 820074

MASTER CARD VISA

PLANET DATA

Mail Order Disk Suppliers Wholesale & Retail

BLANK DISKS

100% CERTIFIED FULLY GUARANTEED UNBRANDED DS/DD 3.5 DISKS

Qty	£	p&p
50	20.00 +	3.00
100	36.00 +	3.00
250	85.00 +	4.00
500	160.00 +	5.00

A SELECTION OF AMIGA GAMES AT KNOCK-DOWN PRICES

B17 FLYING FORTRESS	£23.99	REACH FOR THE SKIES	£23.99
CHAOS ENGINE	£18.99	WING COMMANDER	£22.99
CIVILIZATION	£23.99	NIGEL MANSELL GRAND PRIX	£18.99
ZOOL	£17.99	BODY BLOWS	£18.99
A-TRAIN	£23.99	INTEROFFICE	£34.90

EDUCATIONAL: THINGS TO DO WITH WORDS £10.99
MICKEY'S MEMORY CHALLENGE ...... £10.99 LETS SPELL £10.99
THINGS TO DO WITH NUMBERS .... £10.99 FUN SCHHOL 4 (7-11) £16.99

ALL GAME PRICES INCLUDE POSTAGE AND PACKING
OTHER TITLES AVAILABLE, PLEASE TELEPHONE FOR DETAILS

TELEPHONE ORDERS: 0234 240954 FAX: 0234 240272

NEXT DAY DELIVERY ON ALL DISK ORDERS RECIEVED BEFORE 3.P.M

CHEQUES MADE PAYABLE TO PLANET DATA (allow 5 working days)
PLANET DATA, 9 HIGH STREET SOUTH, OLNEY, BUCKS. MK46 4AA

HOW TO CONTACT AMIGA FORMAT

You can be certain of getting your enquiry to the magazine dealt with, but only if you make sure you're addressing your letter to the right person or place.

● We can never give personal replies by mail, so don't send us a stamped-addressed envelope.

● Neither can we give personal replies by fax, so please don't ask us to.

● We are available for enquiries by telephone every Tuesday between 10.30am and 6pm, but please be patient because the lines do get very busy.

● Our advertising department can help with problems concerning companies who advertise in the magazine if you phone during normal office hours.

● Our subscriptions service and the *Amiga Format* Mail Order department are not in the same building. They can be contacted on 0458 74011.

WORKBENCH

If you have any problems with the technical side of your Amiga, with hardware or serious software, Pat McDonald will try to answer you in the mag. Or, if you have any advice for others or any handy tips to share, send it in and you could win a prize.
WORKBENCH, *AMIGA FORMAT*, 30 MONMOUTH STREET, BATH BA1 2BW.

GAMEBUSTERS

If you've just found the cheat mode, mapped out the levels or found all the passwords for the latest game, send the info to Nutts and you could win a prize. Or, if you're stuck, ask Helping Hand for advice – or solve someone else's problem and win a prize!
ANDY NUTTALL, GAMEBUSTERS, *AMIGA FORMAT*, 30 MONMOUTH STREET, BATH BA1 2BW.

LETTERS

The letters pages are there for you to air your views and share your opinions; please remember not to ask questions that should be in Workbench! Marcus is looking for thought-provoking or entertaining letters, the shorter the better. Prizes given for the best two.
LETTERS TO THE EDITOR, *AMIGA FORMAT*, 30 MONMOUTH STREET, BATH BA1 2BW.

COMPETITIONS

To enter a competition, write the answers and your name, address and phone number on the back of a postcard or a stuck-down envelope and send it in. You can enter as many times as you wish, but all entries must be posted separately; don't put several entries in one envelope together, or include entries with letters to any other part of the mag.
...COMPETITION, *AMIGA FORMAT*, 30 MONMOUTH STREET, BATH BA1 2BW.

SPECIAL OFFERS

If you've ordered something from the *Amiga Format* Mail Order section and you've got a problem, then don't write to our Bath address – instead contact our Somerton address or telephone 0458 74011.
AMIGA FORMAT MAIL ORDER, FUTURE PUBLISHING, CAREY COURT, SOMERTON, SOMERSET TA11 6TB.

SUBSCRIPTIONS

If you move house and want to make sure your copy of the magazine catches up with you, or if you have any other subscription enquiry then write to: *AMIGA FORMAT* MAIL ORDER, FUTURE PUBLISHING, CAREY COURT, SOMERTON, SOMERSET TA11 6TB.

FAULTY COVERDISKS

The disks are duplicated and stuck on the magazine by a separate firm we employ. If you have a faulty disk, send it, enclosing an SAE, to: DISCOPY LABS, UNITS 2 & 3, OMEGA TECHNICAL CENTRE, DRAYTON FIELDS, DAVENTRY, NORTHANTS NN11 5RT.

Letters

It's that letter openin' time of the month again! After spending several days submerged beneath a huge pile of mail, Marcus has emerged, his Swiss army knife thoroughly blunted with the following selection. If you want to see your name in print, send us a letter. The address is: Letters, **Amiga Format**, 30 Monmouth Street, Bath, Avon BA1 2BW.

PAYING THE PRICE

I am writing to you with some concern regarding CD software and floppy disk software. At present the current argument for games being priced at £25 goes like this. The software houses have to cover programmers' wages, musicians' wages, artists' wages, packaging, marketing and other overheads. Add to this the cost of damage done by the ******* called pirates. I am not knocking current prices, overall I think it is a fair sum in comparison to wasting loads of dosh buying a film and only watching it a few times.

Can anyone tell me how the software houses can hope to reduce the price of CD software when the games are bigger and a longer time is spent coding?

This leads to three possibilities…

1) Pirates are totally and blatantly killing off the games scene for anyone who can't afford a CD drive.
2) CD games will make no money and are really a bunch of software houses doing a lot of work for charideeee… but they don't like to talk about it.
3) Present disk-based games must be overpriced, so the software houses are taking the piss, but they don't like to talk about it.

Daryl Booth, Ramsgate

There's no doubt that piracy, if it remains so prevalent, will lead to the death of the games industry. But the softies have always maintained that once games are available on CD, and thus become effectively unpirate-able, that prices would drop. As you say, though, bigger games will require more work to, and thus cost more to produce. But CD games will be much easier to convert to all the formats (the new Commodore CD unit, Mega CD, Nintendo CD, FM Towns, CD-i 2, 3DO and a hundred others) so producers should be able to offset the astronomical production costs against a potentially gargantuan audience for the product.

We recently took a look at Psygnosis' new Microcosm *game, it's out on the FM Towns in Japan, and will appear on (what they are referring to as) CDTV 2 late this year. While it is obvious that lots of work has gone into the production, they are bandying figures of well over 20 man years, they are also talking of issuing it at around the £70 price point.*

£70 for any game on any platform is a joke. If the softies don't come through with the goods, and deliver CD software at the same, or a lower, price as existing floppy disk games, they will show themselves as the cynical profiteers some people already say they are.

SISTER REACT

After my brother has bought your magazine, played the Coverdisks a few times and filed them away in the ultra neat disk file (which I can never find anything in) he resigns the issues to a life of solitary confinement under his bed. Only returning to check the well thumbed *Zool* review in issue number whatever-it-was.

So tell my darling (pass me a bucket, please) brother that it's my Amiga too. Even if I don't have a clue what RAM or CLI is. It doesn't really matter if I can't work Workbench. It's the games I like – *New Zealand Story* is an old favourite.

So, dear brother, please put the *AF*s back where they can be enjoyed by all. Like in the bookcase, on top of the computer, or wherever normal people put them. Not under your bed.

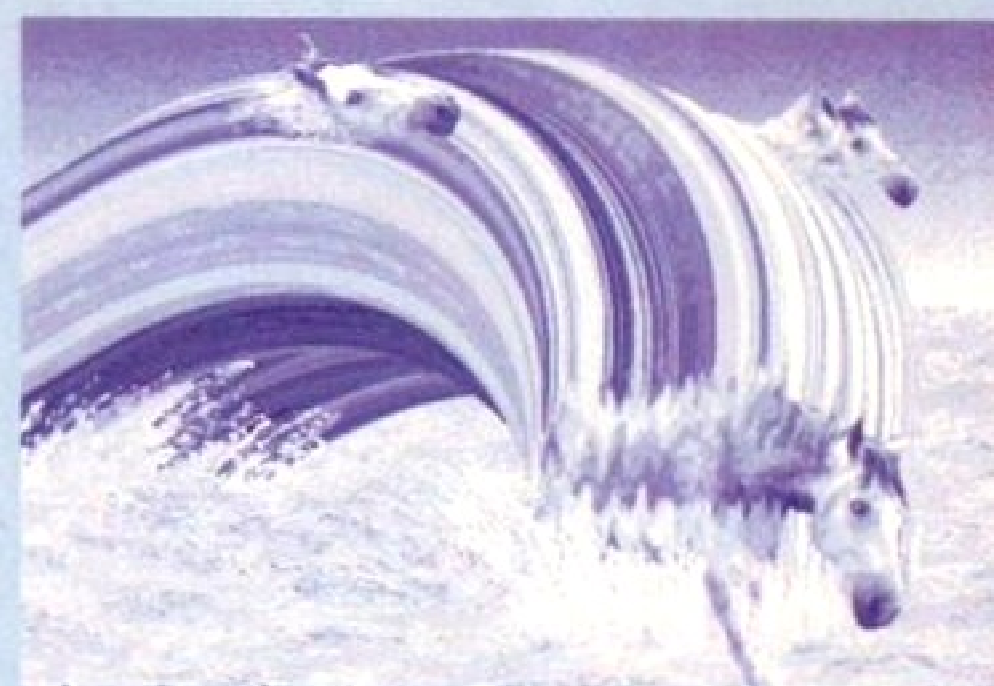
Elaine Gibb, Ayr

Please don't hide Amiga Format *under the bed, people might get the wrong idea about what kind of mag it is.*

Continued overleaf



Got a picture you're proud of? Send it in, see it in print and win an *Amiga Format* binder! Since Letters is where you get to contribute your words, we thought it would be the perfect place to see your pictures on display too. The best image every month will win a huge (and we're talking big here) poster printout, courtesy of Max Graphics of Cardiff – worth a massive £80. Send your entries on a floppy disk to The Gallery, *Amiga Format*, 30 Monmouth Street, Bath BA1 2BW.



Sea Horses by Wayne Grover of Chingford.

RADIO AGA

Being an AGA (A Great Admirer) of *AF*, I yesterday bought the June issue and read AGA (A Good Article) on the new A4000/030, and then the magical competition to win one!

What AGA (A Great Asset) that would be to own. I set about answering the competition and found AGA (A Gruelling Array) of questions before me, most answers could be found from the previous article, but question seven needed AGA (A Good Answer) to stand any chance. Being an A1200 owner I first set about AGA (And Glanced Aimlessly) through the two pointless manuals supplied with my machine. No joy there, so I set about searching through my back issues of *Amiga Format*. Finally, after AGA (A Gallant Attempt) I found it in *AF*43, Page 43. It read AGA = Advanced Graphics Array. I filled out my postcard and sent it to you.

AGA (A Great Achievement). Today I went out and purchased the *Amiga Format Special* issue 4 only to find out in the first pages that our friend AGA according to you lot now means Advanced Graphics Adaptor. I duly fill out another postcard and return home to find that my friend has found AGA in his *AF Special* issue 3 and it means Advanced Graphics Architecture. I give up! Maybe the correct answer is AGA (Any Guess Acceptable)!

Martin Brand, Coventry

Oh dear! That competition. Not only are there a great array of questions, but some of them were a tad difficult to answer. We asked about the relative speed of the A4000/030 to the A1200, but didn't print a SysInfo screen. We asked who was managing director of Commodore and then he went and resigned. And we asked about the illusive meaning of the AGA TLA (three letter acronym).

Don't worry though. We have been very understanding in our marking of the competition. The winner will have been picked by the time you read this, and we'll be announcing who it is in the next issue.

PD PIRACY

I would like to talk about the Public Domain companies selling demos. Do you think that the PD companies have the right to make money from other people's work by selling demos, often against the producers' will? I am asking this because I know demos contain a screen which states that PD companies must ask for permission from the authors before selling it to the public. An increasing number of demos state they must not be sold under any circumstances. PD companies continue to sell these demos without permission.

Of course the PD libraries may argue that they are making the producers of the demos famous by spreading their work for them. But demos are spread most efficiently throughout the demo scene among real enthusiasts – the people who make up the demo scene and keep it going. I'm not saying all PD libraries are offices full of losers. There are several like 17 Bit, for instance, who ask for permission before selling demos if that is what the authors wish. Good PD companies make a link between the demo scene and the public to provide the public with cheap software, even if it's six months old before the PD companies get hold of it.

Detinator of Destiny

Of course we think it's wrong for PD companies to distribute people's work against their wishes. But it's a bit rich for the people who are often most involved with the theft of commercial software to start getting upset if they are treated in the same way. To stand against one form of piracy without condemning all forms of software theft, is hypocrisy of the highest order.

If the so called demo scene wants to be exclusive and not communicate with the rest of the Amiga community, so be it, that is your choice. Here at AF we:

a) Like demos, and wish that the people who create them would give most people a chance to see them.

b) Don't agree with PD shops stealing demo writers' work, and urge shops to take the same kind of approach as 17 Bit obviously do. Nor do we agree with hackers stealing games programmers' work.

c) Think everyone should love one another, hold hands with your brother and get down, right now!

MISS TAKEN IDENTITY

Quality Time, by Eric Schwartz, stars Clarisse the cat, not Amy the Squirrel as stated in *Amiga Format* 47. The same is true of *A Day at the Beach*. Does she look like a squirrel to you? Have you ever heard a squirrel say 'purrfect'? Amy the Squirrel star of *Amy Vs the Walker* and *At the Movies* has never been to the beach.

I demand an immediate apology to all involved in this terrible mix up.

James Whiteman, Hoddesdon

You are quite right, it is Clarisse the Cat, but then zoology never was Nutts' strongest subject. We offer sincere apologies to both Amy and Clarisse for the mix up. But how come you know so much about Clarisse's personal life?

NOS DOT!

I currently own an Amiga 600. I noticed while working on my Grandma's A600HD that NDOS: disk games, such as *Kick Off 2*, do not run off the hard drive. Why not? Would getting a SCSI drive solve this problem? What hard drive would you recommend? I want a 60Mb one, but owning an A600 seems to be a disadvantage when buying peripherals.

S Whyte, Newmachar

There are two reasons why your games won't run from the hard drive. One is because the games don't use the Amiga's Disk Operating System, or DOS. This is because some programmers believe they can make games faster and better by programming directly to the computer hardware, these are Not-DOS disks, or NDOS. These disks won't run from a hard drive.

The other reason is that if a program can be copied on to a hard disk, it can also be copied on to another floppy and given, or sold, to your friends. This, of course, is piracy and the programmers tend to copy protect game disks to prevent this. A SCSI drive will be no more use for running these games than an IDE one.

Some games, an increasing number in fact, will install to your hard drive, so we still recommend an HD as a good thing to have.

Rather than being at a disadvantage from owning an A600, you have a huge array of hard drives available to you. Read our IDE round up in issue 44 (if you don't have a copy turn to back issues on page 150 now) and you'll see just what we mean.

QUIET PLEASE

Could you please ask your readers not to fly their demos of *B-17 Flying Fortress* early in the morning. There are people trying to sleep out here!

I can't get a decent night's kip with all those bombers flying over my house.

Frank Mosch, Antrwerpen

OK. Everybody, your grounded till 08.00 hours.

DUELLING BANJOS

Could you please answer the following three life threateningly important questions.

1) Why does Mev Dink of Vivid Image look so much like Tony Blackburn? After comparing his picture with a video of *Noel's House Party* I noticed a startling similarity. Does Mev lead a bizarre double life, or is Tony Blackburn an extraordinarily talented programmer?

2) Does anyone know the difference between the two guitars in the Carlsberg advert? Am I just tone deaf or do they both sound the same? For God's sake someone tell me which is which!

3) Why is *Amiga Format* so mind bogglingly good? Is there something in the water down there in Bath or are your team super human intellectuals, extremely witty and marvellously talented?

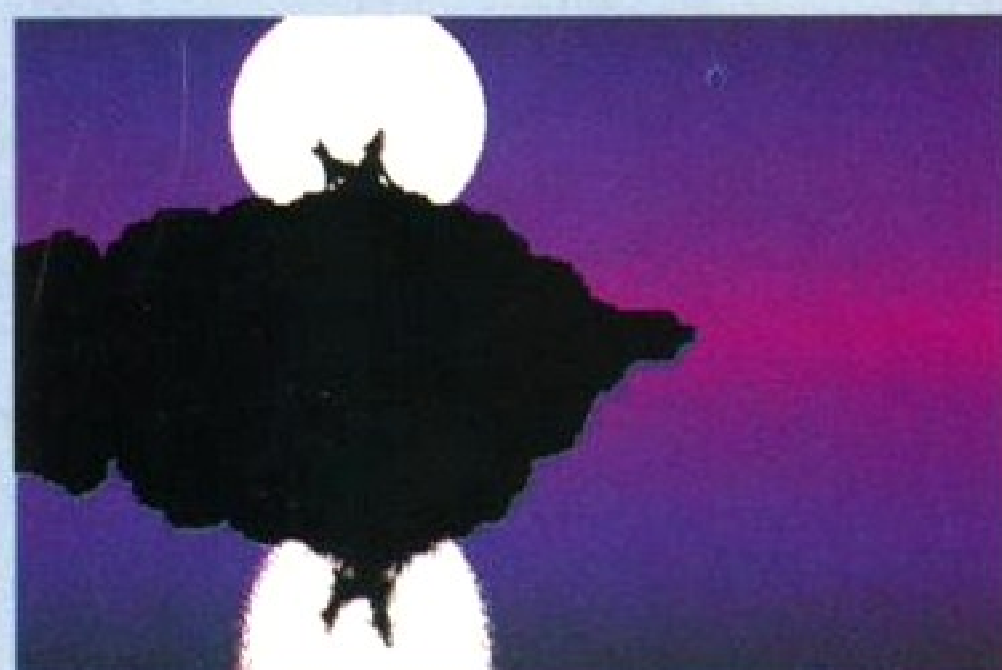
Daniel Griffin, Whitwick

1) Mev Dink and Tony Blackburn are definitely not one and the same person. Mev's Jokes are a lot funnier.

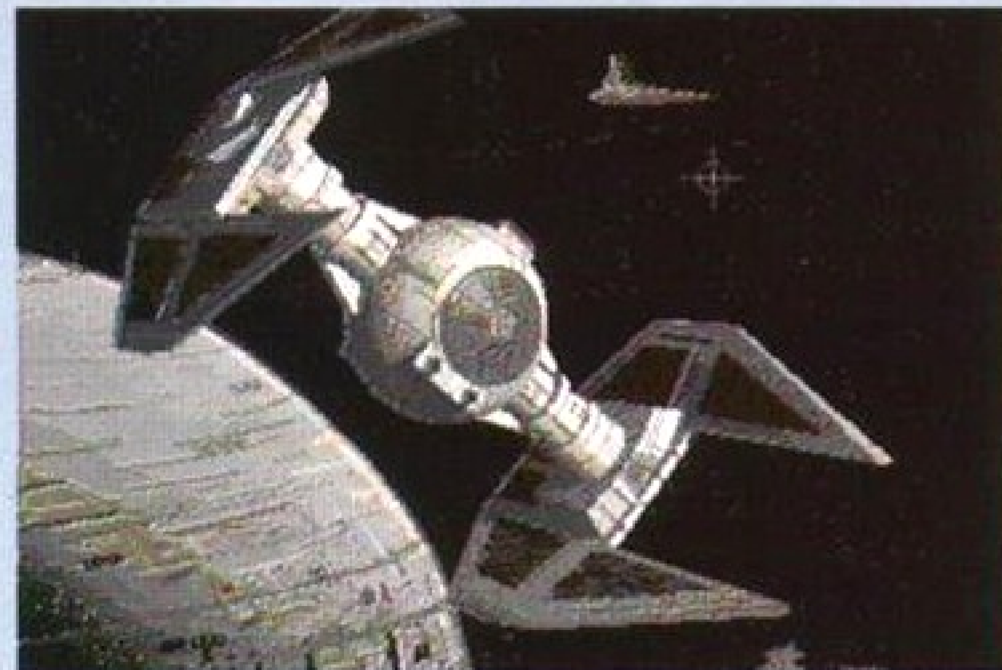
2) The only people who can tell the difference between the two guitars are the ones who can tell Carlsberg from weak homogenised fizzy crap.

3) Erm... is it? Must be something in the water...

Continued overleaf



Moon by Mark Sweeney of Rotherham.



TIE Fighter by Nils Erichsen.



The Evil in Me by Martin Hansen of Denmark.

NOT THAT SONG AGAIN

PRIZE

I have a CDTV with a keyboard, drive and tracker ball. After spending hundreds on the set-up, I discover that a 1Mb-rated game won't run on the the 1Mb CDTV. The game in question being *Sensible Soccer*, the best footie game there is on any machine, and I was a big *Kick Off 2* fan (*you better turn to Page 66 and read our review of* Goal *then hadn't you? – Ed*). My point is how do the Big C expect a machine to take off when they point out how good it is for games, but forget to mention that it has no joystick ports. Getting them requires spending an extra £50. I'm not surprised the CDTV was a flop when you consider all of its flaws. Let's hope that Commodore get it right with CDTV2. It is obvious that the CD medium is the way ahead but, as with most things, there is a wrong way and a right way.

Piracy. A big problem which no-one seems to have the answer to. It's obvious that clamping down on the pirates does not work, the risk seems to make them do it even more. Protecting software seems pointless because there's always someone who can, and will, break the protection, whether it be for financial gain, or just for the challenge. Cartridge-based software isn't immune to piracy either, just look at the SNES and Mega Drive, it's now common knowledge that you can buy a floppy drive that can put your games on disk. Even though the unit costs around £300, it's still only the cost of six games.

The only real answer to me is the way Jeff Minter decided to sell *Llamatron*. It may sound strange, but licenceware/shareware seems the only possibility. I would never have believed it, but I'm sure Jeff Minter will agree, and I found out when I ran a PD library, that relying on people's honesty does work. Even if it seems like a crazy thing to do. It works especially well if manuals or updated versions are promised in return for the registration fee.

Lastly, can I thank Renegade for the excellent service they offered me when my *Sensible Soccer* disk 2 was mauled by a virus.

Bruce Whitehouse, Stockton on Tees

The CDTV is capable of virtually anything any other Amiga is capable of. Although sometimes it needs the odd add on like the game brick or some extra RAM. We like it, and think that by selling over 30,000 units in the UK it is a bold success, and a machine ahead of its time, rather than a flop.

CDTV 2, if that is the name Commodore choose for their new CD-based machine, will surely correct many of the mistakes that were made on CDTV. But don't be too harsh on Commodore – how were they to know the right and the wrong way of marketing and aiming CDTV? It was a revolutionary product. As we have often stated in the past, the public were not prepared (and they're still not quite ready now) for the concept of a home interactive multiplayer. It's far more likely that Commodore will target the new CD machine at the same audience who are now purchasing the Mega CD in increasing numbers. Commodore's machine will have a faster processor, more colours and most likely a faster CD drive than the Sega machine, and will be a better console for it. And the Commodore CD machine will probably be expandable, via floppy drives and keyboard, to a full computer system.

Your revolutionary idea to combat piracy has much to recommend it. Bryan Bell who won the GamesMaster AMOS *competition with* Charlie Chimp, *and then placed a three level demo on our Coverdisk has now had more than 3,000 responses. Each of these people sent him £5 in return for two disks, one with the full game and one with source code. That means Bryan stands to have over £10,000 left over to put towards cake and buns, a holiday for the family or his next game. Jeff Minter made quite a tidy sum from* Llamatron, *and not surprisingly so, it is an incredible game. But it is unlikely that the software houses would ever undertake that approach – they want big turnover and big profits.*



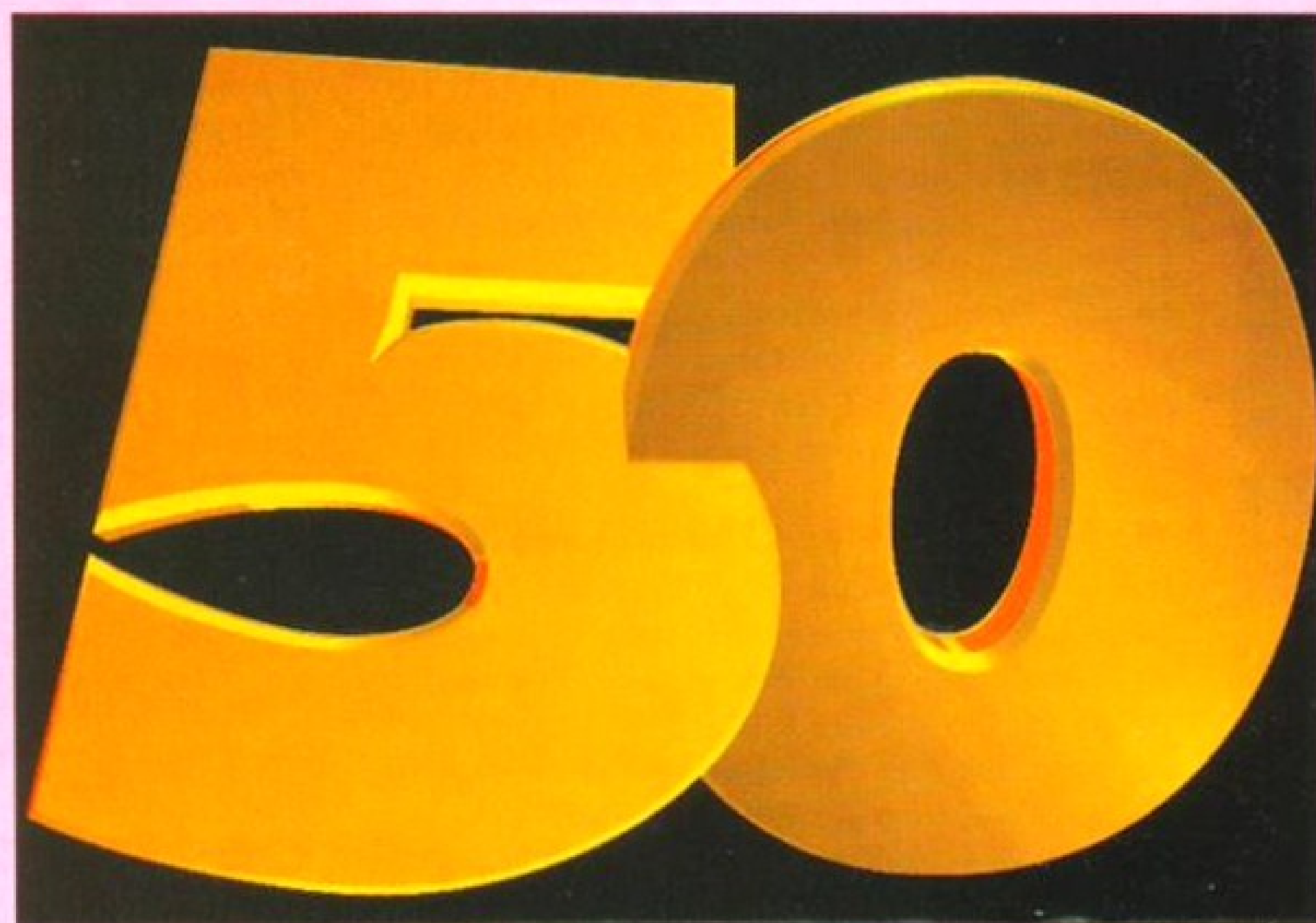
Exiles by Shis Wei Wang of Australia

The Gallery

Sponsored by Max Graphics

Next month
Issue 50
September 1993

It's party time!



Amiga Format is 50 – yes 50 – issues old and so we're putting on something special that you won't be able to resist. How about this – the best-ever top 50 products, whether they're games, serious software or hardware – looked at, turned inside and out, everything about their backgrounds brought to the fore, where the products are now and, even more importantly, where their makers are, what they have been doing, and what they are doing now. Don't miss it!

Prints charming

We often get asked by people which printer they should buy. And it's fair to say that these days it's a difficult decision to make. Panasonic, Epson, Seikosha, Citizen, Oki, Star, the list isn't quite endless, but it's very long indeed. And they all make excellent machines. But to really get the most out of your printer you really need software that gets the most out of your printer, and let's face it, we're not talking preferences drivers here.

There are a proliferation of programs designed to make your printed output better, and next month we take a look at all of them.! We line 'em up side by side, at the start of a 100 metres sprint and see which one reaches the end first. And after it becomes obvious that none of them are going to move at all, we load 'em into our Amigas and try printing with them. Check out the results of the great printer driver debate in next month's issue.

Waiting for you at your local shop from **Thursday July 22!**

IT'S NOT ME

Musicolor has been receiving excellent reviews, but I am slightly perplexed because every review says that the program is based on the Tobin System. This rather infers that someone has taken the Tobin System and based *Musicolor* on its principles.

This is not the case. The program is the system. I think one of the reasons the program is so well thought of is that it is no flash in the pan, but it is something I have devoted all my life to – 26 years in all! I have written 36 books on the subject and I am still working on other ideas.

I wrote every word of the program and gave the programmers all the diagrams in detail. I wrote all the music and script for Derek Griffiths. The characters were my invention and I wrote the lyric for the song. My daughter wrote the music for the song because I thought she was more au fait with youngsters tastes, being a professional jazz pianist who lives and works in New York.

So you see, the words 'based on' hardly apply.

Having said all this I would like to say that Binary Visions did a brilliant job of the programming, and Derek Griffiths spoke the part beautifully.

I'm not just being pernickety about this, but while this misleading concept is put about, people don't realise that I am alive and kicking and available for lectures and seminars – which is my main career.

Candida Tobin, Sawbridgeworth

So there you go, Ms Tobin is available for talks, seminars, lectures, parties and barmitzvahs. And she can be contacted at the Old Malt House, Sawbridgeworth, CM21 9AX, if you wish to engage her services.

A FREE THOUSAND

I've got a great answer to all of Commodore's compatibility problems. Why don't they make an Amiga with a CD drive, 8Mb as standard, 32-bit, AGA graphics, and so on, all for under £50? It'd be a huge hit with everyone, and they would sell so many that they wouldn't have to build any more machines.

Also, where has Eric Schwartz gone? Is he working on a 10Mb demo, or can't he be bothered to do any more anims?

Shaun Usher, Colwyn Bay

An interesting point Shaun, and one which leads us to wonder why Ferraris cos more than £5,000, how come you can't get a first class seat to New York on Concorde for a tenner, and why we have to pay for beer at all. If Commodore made the machine you suggest at the price you suggest, it may solve a few small problems, but it would leave them with one big one to deal with... bankruptcy.

Eric Schwartz is alive and well and living at his house. See PD Demo Zone for news of his latest work.

CAN YOU CDC FROM HERE?

I am interested in buying one of the new AGA Amigas. As I cannot afford the new A4000/030, I was thinking of buying an A1200. The thing is I want an Amiga with a hard drive and CD capabilities, will there be a CD drive for the A1200?

Also, if there is any truth behind the rumours of a new CD driven machine: How much do you think it will cost? Do you think it will be released this year? Do you think it will support hardware such as hard drives? Thanks in advance if you can supply any answers to these questions.

Kevin Dixon, Cleveland

It is a very strong possibility that CD drives will be available for the A1200. Especially with rumours of a CD machine bearing the internals of the A1200 being under development. The recent appearance of ICD's Viper A1230 and SCSI 2 adaptor also add weight to this possibility.

As for there being any truth behind the rumours of a new CD console, they say that there is no smoke without fire, and there's certainly plenty of smoke in this area. We expect it will cost between £250 and £300, but we also expect prices to fall as Christmas approaches. Yes, we mean Christmas 1993 – we do think it will be launched this year.

We also expect the new CD console to have connectivity for an external floppy drive, and keyboard. Hard drive may not be supported, since this would require the inclusion of an IDE or SCSI interface, something Commodore may wish to exclude in order to keep the price down.

LET US ENTER

I am writing to you from the land where we never qualify for the World Cup, where computer shops stock things like *Classic Invaders* and *Protector*, where there are more sheep than people. Yep, you've guessed it. New Zealand.

It takes *Amiga Format* such a long time to reach us down here, for instance I have just received the February issue. So I want to suggest that you somehow have a competition for overseas readers so that we too can Spot the Shot, Rave on a Rave, Perform a Miracle, etc, etc.

Liam Ryan, Gisborne, New Zealand

Since your letter was posted in April, Liam, and addressed to Damien, I can tell that it takes things a good while to get either way between us and you. What we'll do, next month, is we'll put together a competition with a massively long entry period, something like six months, and we'll only let overseas readers enter. How does that sound?

CDTV CREATIVITY

I have recently bought a Commodore Amiga CDTV multimedia pack and I am quite interested in animation, morphing, designing and other stuff like that. Please could you tell me what the best art package is that includes these features. Could you also please tell me about any upgrades and accessories I might need for the programs you recommend.

Mike Woods, St Austell

Your machine, being an Amiga like any other under the sexy black exterior, is well capable of these things. In fact, being an Amiga, means that it has more and better software available for better prices than most micro computers have.

If you're going for animation, you might well want a hard drive. More memory, particularly chip RAM, is advisable for any kind of graphics work. Try giving Indi a call on 0543 419999, they have one of the biggest ranges of CDTV hardware expansions available. The software you need to be looking at is Deluxe Paint IV, Image FX *and* Morph Plus. *For more details of these turn to page 151 and order yourself a copy of the* Amiga Format Special Complete Software Guide. *This packed issue has details of virtually all the programs available, broken down into handy categories. A look at the graphics section should tell you all you need to know.*

THERE'S ONLY ONE...

There's always one isn't there? This time it's me. In his 1990 book *The Ghost from The Grand Banks*, Arthur C Clarke states that he uses MandFX by Cygnus Software on his Amiga 2000, and not *VistaPro* on an Amiga 3000 as you said in *AF* 48. Admittedly, he could have upgraded since then, and I am going to look a right idiot if he has...

Perry Haynes, Irthlingborough

We actually spoke to Arthur on the phone, he has upgraded, and he got John Hinkley, one of the authors of the fractal landscape generator Vista Pro, *to install it on his machine, an A3000. The privileges of being one of the world most respected authors, eh?*

ARE THEY, OR NOT?

The review of *Graham Gooch's Cricket* in *Amiga Format* 47 showed no sign of not being A1200 compatible. On Page 89 of the same issue a 'Datagem' advert quoted the games as not being A1200 compatible. This is again true of the review of *Arabian Nights* in *Amiga Format* 46, which is also quoted in the same advert as not being A1200 compatible. Are they or aren't they?

It makes no difference to me as I haven't got an A1200, but it could cause confusion all the same.

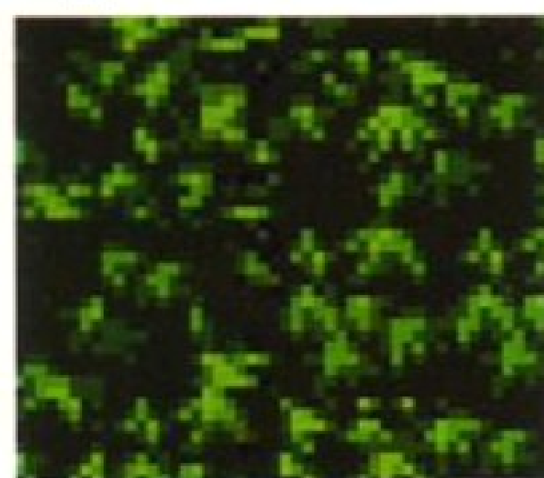
Just a quick word on the age old 'more/less' dispute. More news, more game reviews, more serious reviews, more adverts, more sex (oops, wrong letter), in fact, more of everything.

Sorry about the block capitals but my writing is... *(at this point the writing drops out of caps and becomes immediately indecipherable – ed).*

Stewart Newman, Dagenham

Look! We checked when we reviewed them, we just checked again, and then we rang their mums and asked, those games are definitely A1200 compatible.

Spot the shot 49



Do you know which Amiga game this is a portion of? Then send us a postcard and you could win a T-shirt. Just put your name, address and the name of the game on the card and post it to us at the following address: Spot the Shot 49, *Amiga Format*, 30 Monmouth Street, Bath BA1 2BW. The first correct entry pulled out of the hat every month will win a fabulous *Amiga Format* T-shirt!



The winner of Spot the Shot 47 is Andrew Harold of Aberdeen, who, like all the other people waiting for an *Amiga Format* T-shirt, will be very pleased to hear that they are nearly ready.

AMIGAのプロショップだ！

A600DX SET V2.04	64,000
A500 V1.3 1MB RAM	59,000
A1200 V3.0 AGA	79,800
A1200HD V3.0 AGA 85MB	129,000
A2000 V2.05+ECS	114,000
A4000-030 4MB/HD120MB	269,000
A4000 68040 6MB/HD/120MB	418,000
A3000T 68040 5MB/200MB	418,000

- SCENERY ANIMATOR 2 14,900
- BRILLIANCE 27,900
- DELUXE PAINT AGA 19,800
- IMAGINE 2 49,600
- IMAGE MASTER 27,900

- FIRE CRACKER 1MB 169,000
- DC-TV 49,800
- CALIGARI 24 45,900
- ALADDIN 4D 49,800
- PLAYMATION 49,800
- REAL 3D CLASSIC 18,800
- OPAL VISION V2.0 129,000
- PIXEL 3D PRO 29,800

- AMAX II PLUS 57,900
- ROM FOR AMAX II PLUS 34,900
- PC286 BRIDGE BOARD A500HD/A530 24,900
- 386SX BRIDGE BOARD 119,000

- IMPACT VISION 24 298,000
- VIDEO TOASTER V2/AGA 324,000
- PERSONAL TBC III 135,000
- MORPH PLUS 29,800
- VIDI-AMIGA 12 AGA 25,900

- ROCKEY CROMA KEY 62,400
- GVP VIDEO G-LOCK 68,900
- AVIDEO 24 139,000
- DELUXE VIDEO III 18,900
- ART DEPT PRO AGA 29,800
- FLICKER FREE VIDEO 2 39,800
- CHROMA KEY PLUS 58,000

- AMOS PROFESSIONAL 14,800
- SAS/C LATICE C V6.0 45,500
- DEV PAC 3 16,900

(PRICES QUOTED IN JAPANESE YEN)

- GVP 0MB/0MB SCSI CONTROLLER A500 56,000
- GVO 0MB/0MB SCSI CONT A4000/A2000 27,800
- MAXTER 120MB HARD DISK UNIT 56,000
- QUANTUM 240MB HARD DISK UNIT 89,000
- 85MB 2.5" HARD DISK UNIT A1200 49,800
- 50MB 2.5" HARD DISK UNIT A1200 45,500
- FAST LANE Z3 SCSI II A4000 149,000

- VXL30 25MHZ A500/A200 59,000
- VXL32 2MB RAM FOR VXL30 43,000
- DERINGER 25MHZ+4MB+MATH-CO A500 69,400
- GVP 040 28MHZ+4MB A3000 174,000
- MERCURY 35MHZ A3000 169,000
- BLIZZARD TURBO 16MHZ A500/A2000 39,800
- 1230 TURBO 40MHZ/4MB A1200 93,800

- ZEUS 68040 33MHZ SCSI II A2000 198,000
- ZEUS 58040 28MHZ SCSI II A2000 156,000
- G-FORCE 040 33MHZ+4MB A2000 229,000
- G-FORCE 40MHZ+4MB A2000 115,000
- G-FORCE 50MHZ +4MB A2000 153,000
- 68881 MATH CO BOARD A1200 26,900
- 68882 MATH+CO BOARD A1200 45,000
- A530 TURBO HD 120MB/1MB 40MHZ 129,000

- AUDITION 4 15,800
- THE MIRACLE 89,000
- BARS & PIPES 41,900
- ONE-STOP MUSIC SHOP 129,000

- MARVERIC 9,800
- LOCKPICK 12,900
- X-COPY PRO 11,900
- SUPER CARD AMI II 14,900

- V2.1 UPGRADE KIT W/ROM 19.800
- V2.1 UPGRADE KIT W/O ROM 12.000
- MULTISTART II ROM SWITCHER 9.800
- EXTERNAL 2HD FLOPPY DRIVE WB2 1UP 24.900
- INTERNAL 2HD FLOPPY DRIVE A2000 .... 20.000
- INTERNAL 2HD FLOPPY DRIVE A3000 .... 20.000
- BACKUP BUDDY FLOPPY DRIVE 25.900
- TOSHIBA 1.2GIG HARD DRIVE 230.000
- ASIM CD-ROM FS 14.900
- SIMM RAM 4MB A4000 .... 25.000
- SIMM RAM 4MB/MBX COPRO BOARD 26.900
- SIMM RAM 5MB/MBX COPRO BOARD 53.800

- DIGIVIEW MEDIASTATION 29.400
- CLARITY 16 .... 29.400
- SIMM32 4MB RAM 68030 .... 28.900
- ZIP RAM 4MB A3000 .... 30.000
- DIP RAM 4MB A2000 .... 25.000
- PCM CIA 2MB A600/A1200 .... 32.900
- PCM CIA A600/A1200 .... 48.900
- BACKUP CLOCK A1200 .... 8.900
- C601 RAM BOARD A600 .... 14.900
- KEYBOARD UNIT A500 .... 18.900
- 1084S STEREO MONITOR 58.000
- 1960 MULTISYNC MONITOR 98.000
- KITCHEN SYNC 227.000
- EUREKA SCANNER 400 DPI 27.600

店頭・通販
輸入直販
木曜定休

a beautiful amiga life for you

システムコンバック

〒110 東京都台東区台東4-22-10
中屋ビル3階
TEL:03-3837-8689
FAX:03-3837-8218



Access

VISA

DATAPLEX COMPUTERS LTD.

129 Bath Road, Slough, Berkshire, SL1 3UW
Tel: 0753 535557

19 High Street, Old Town, Swindon, Wilts
Tel: 0793 488448

Prices including VAT

SHOWROOM open: Mon - Fri 9.30 - 5.30 Saturday 9.30 - 4.30

MAILORDER Consumables add £2.50 Hardware add £11.75 (courier)

AMIGA A1200

* 2 Meg RAM
* PSU, Mouse
* Free box of 10 disks
* Mouse Mat
* Comic Relief Pack

£379 inc VAT

AMIGA A1200
Plus Free Games

PACKAGE AS ABOVE PLUS
* ZOOL * Striker
* Pinball Dreams * Trans Write (word processor + spell checker)

£389 inc VAT

INTERNAL HARD DRIVE

- 60 Meg Internal Hard Drive Kit £159
- 80 Meg Hard Disk Kit £199
- 120 Meg £329

(The above are suitable for A600 and A1200 but will invalidate your Amiga warranty)

AMIGA A1500
new version

A1500 Accounts Plus pack including Puzznick, Toki, Elf, Operation Systems Software, Home Accounts, Platinum Works, Deluxe Paint III + manual

£499 inc VAT

ADDITIONAL PACKS

Amiga A500 Plus Cartoon Classics with 10 extra games £299

ACCESSORIES

- 512K Ram + clock £35.00
- 1 Meg Ram + Clock £115.00
- A500 Power Supply Unit £45.00
- 1Mb Upgrade for A500 Plus £49.00
- 14" screen filter £17.00

MONITORS
Philips CM8833 MK II Colour Monitor + FREE Lead + FREE game
£210 inc VAT
with 1 year on-site maintenance

PRINTERS

- Star LC20 Mono £135
- Star LC200 Colour (9 pin) £188
- Star LC24-20 (24 pin) £194
- Star LC24 200 Colour (24 pin) £258
- Panasonic KXP1124i £222
- Panasonic KXP 1123 .... £175
- Panasonic KXP2123 (24 pin black) £185
- Panasonic KXP2123 (24 pin colour) £225
- Citizen 120D + ... £110
- Citizen Swift 24E + Colour Upgrade £290
- Citizen Swift 9 + Colour Upgrade £195
- Citizen 24OE £299
- Starjet Bubblejet Printer, SJ48 .... £229
- Canon BJ10EX £222
- HP Deskjet 500 + Leads £340
- HP Deskjet 500 (colour) £420
- HP Deskjet 550 (colour) £590

All above come complete with leads

AMIGA HARD DRIVES / HARD CARD (GVP SERIES II)

FOR A1500
- 82Mb h/card (0-8Mb) £325
- 120Mb h/card (0-8Mb) £390

FOR A500
- 40Mb h/drive (0-8Mb) £299
- 82Mb h/drive (0-8Mb) £359
- 120Mb h/drive (0-8Mb) £455

Upgrade the above with 1Mb SIMM module £39

AMIGA DRIVES

- 1 Meg 3.5" Internal £55
- 1 Meg 3.5" External (Roclite) £59

A600 & A1200 Hard Drive

SPECIAL OFFER

80 meg 2.5" internal IDE
IDE Hard Drive is fully formatted, complete with cable.

ONLY **£179.99** INC. VAT & DELIVERY

WE OFFER PART EXCHANGE ON:-
IDE DRIVES AMIGA 500's &
500+ MACHINES.
PLEASE CALL FOR DETAILS.

24 HOUR ORDERLINE 0597 851784



Manor Court Supplies Ltd

Dept AF0893 Glen Celyn House, Penybont,
Llandrindod Wells, Powys LDI 5SY

Telephone: 0597 851792
Fax No: 0597 851416





EDUCATION AND GOVERNMENT ORDERS WELCOME



Computer Repair Zone Ltd

280 High Road, London N15 5LT
Tel: 081 365 1754
Fax: 081 808 4796

★★★ AMIGA REPAIRS ★★★

£49.95

★ FAST TURNAROUND ★
★ REPAIRS WHILE YOU WAIT ★
★ FULLY SOAK TESTED ★
★ FULL 90 DAY WARRANTY ★

PHONE FOR DETAILS OF AMIGA MACHINES & ACCESSORIES

Cheapest price on hand held Video Games.

Supervision **£38.99**

Games **£11.99**

PHONE FOR DETAILS OF AMIGA MACHINES & ACCESSORIES

*"FIXED PRICE REPAIRS" DOES NOT INCLUDE REPLACEMENT OF DRIVE NOR KEYBOARD
* PRICES SUBJECT TO CHANGE WITHOUT NOTICE
* WE RESERVE THE RIGHT TO REFUSE ANY AMIGA REPAIR

OPENING TIMES
Monday - Friday 10am-8pm
Saturday 10am-6pm

MEMORY *EXPANSION*

1Mb x 1	-80ns	DIP	4.53
256 x 4	-80ns	DIP or ZIP	4.11
1Mb x 4 (44C1000)	-80ns A3000	ZIP	14.92
1Mb x 4 (44C1000)	-80ns Static Col	ZIP	14.92
1Mb x 8	-100ns	SIMMs (GVP)	27.84
1Mb x 8	-80ns	SIMMs (GVP)	29.38
4Mb x 8	-80ns	SIMMs (GVP)	116.33
4Mb (1x32)	-60ns COMBO	64 Pin	158.63
4Mb (1x32)	-70ns 4000/030	72 Pin	129.25

Please phone for the latest prices. VAT included. Delivery £4.70



KINGSWAY UK LTD



Phone 0923 836473 Fax 0923 836474
18 Foxfield Close, Northwood, Middlesex HA6 3NU

DIGITALLY MASTERED SAMPLES
IFF SOUND SAMPLE LIBRARIES



Each disk is compiled from a **studio quality master** and is sampled on the Amiga at **twice the sample rate** of P.D. sample disks. They are compatible with all P.D. and commercial tracker and sequencer programs. N.B. no. of samples in brackets

001 AFRICAN	Talking drums, Marimbas, chants etc (53)	014 BASS GUITARS	Slap, picked, fretless, FX etc (44)
002 INDIAN INST	Sitars, Bansuri, Chants etc (19)	015 ANALOG BASS	Oberheim, Roland, Korg etc (22)
003 INDIAN PERC	Tablas, Bayas, Rhythm Loops etc (35)	016 DIGITAL BASS	Yamaha DX, Roland, Korg etc (28)
004 ARABIC	Ud, Saz, Bendir, Rhythm Loops etc (37)	017 BRASS	Sections, Saxes, Trumpets etc (24)
005 FAR EAST	Tibetan Bells. Yangqin, Koto etc (31)	018 SYNTH BRASS	Analog, Digital & L.A. etc (18)
006 EUROPEAN	Balalaika, Choirs, Bodhran etc (34)	019 PIANOS	Octave Splits, with strings, FX (16)
007 OCEANIA	Didjeridu, Chants, Slit Drum etc (23)	020 STRINGS	Cello, Orch, Hits, Sections etc (21)
008 AMERICAS	Kena, Berimbau, Pan Pipes etc (30)	021 SYNTH STRINGS	Analog & Digital (19)
009 FX PERC	Power Toms, Snares & Bass, Scratch & Rap (88)	022 CHOIRS	Mixed Choirs, with Bells & Synth (16)
010 DRUM KIT	Bass & Snares, Hi-Hats, Cymbal & Toms (63)	023 ORGANS	Church & Electric (17)
011 ANALOG PERC	TR-808 CR-78, Loops etc (30)	024 BELLS	Real & Synth, with Choir & Strings (20)
012 LATIN PERC	Timbales, Congas, Cabasas, Cowbells etc (107)	025 SOUND FX	Action Sounds, Explosions, Gunshots etc (30)
013 GUITARS	Acoustic, Electric & Distorted etc (41)		

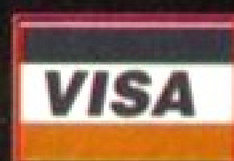
Each disk is priced at £2.50, any 10 for £19.95, the Complete Collection for £49.95. In addition, Sampler owners can use our **Digitally Mastered** Chrome, Metal, or DAT **sample Cassettes** which contain most of the above samples: COO1 **WORLD MUSIC COLLECTION** (175)
COO2 **PERCUSSION COLLECTION** (228)
COO3 **GUITARS AND BASSES** (161)
Each Chrome £9.95, Metal £11.95, DAT £16.95
The Three Collection Package is priced at:
£21.95 (Chrome) £25.95 (Metal), £38.95 (DAT)

P&P £1 (any order) Cheques & P.O.s to:
WALKABOUT MUSIC (Dept AF)
TRENOVISSICK FARM, THE MOUNT, PAR,
CORNWALL PL24 2DA
Tel (0726) 813807

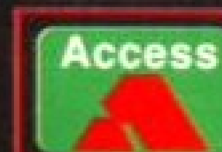
The Tipster ©

- The worlds best selling Horse racing software
- Uses information from daily newspapers
- National Hunt, Flat and Dirt
- Includes course editor
- "At the price, no self respecting punter can afford to be without it". *(Amiga Format)*
- "A nice little earner". *(Amiga Computing)*

Tipster is available in two versions, costing £29.95 each. The *International* version is for use with daily newspapers while the *Professional* is for use with *The Racing Post*. Please phone for a demo disk (£9.95 refundable) which also contains *The Punter* (Pools), *The Dogs* (Greyhounds) and *The Bookie* (Odds Calculator).



£34.95 inc VAT



Sidmouth Software
PO BOX 7, SIDMOUTH, DEVON EX10 0TD
24 HOURS 0395 67073

ADVERTISERS INDEX

It's for charidee...

Kyle Harris is a man with a mission. Actually he's a singer/songwriter with a mission, but that's not important right now. What the enterprising Kyle has managed to do is get himself sponsored for every feature or snippet about him that gets into print. The money goes to Multiple Sclerosis victims, so we're doing our bit.

Kyle has also secured a donation for every time a recording artist covers one of his songs. So if any of you are fabulously rich and famous rock stars (or your dads are... Joe) then get covering Kyle's numbers. In fact if ace psychedelic noise merchant band 'Jellyfish Kiss' are still *AF* readers (and we're sure they are), we think they should take note and give Kyle's compositions a touch of Kramer noise. And then there's always Imaginary records, the label that has made a name for itself by releasing tribute albums to great recording artists like The Velvet Underground (who Marcus has just seen at Wembley) and Bob Dylan. To them we say, why not do a Kyle album, oh! and when's the Monkees' tribute coming out?

FUTURE SHOCK



Panasonic have just announced a new range of photocopiers featuring all new Neuro Fuzzy Logic technology. To save you the embarrassment of asking an assistant in Dixons what NFL is all about (as if they'd know) we've prepared a bluffer's guide to Fuzzy Logic, read on...

Fuzzy logic was developed in 1965 by Lofti A Zadeh at the University of California, Berkley. It was first practically applied in the UK for controlling steam engines.

Neuro Fuzzy Logic is a state-of-the-art version of Fuzzy Logic with more bells and whistles, which even less people understand than the first version. It was invented when someone accidentally mixed the Fuzzy Logic with the basis of neural networks. It's dead good at controlling vacuum cleaners and washing machines.

Despite its name Fuzzy Logic doesn't look very blurred, in fact it's just a concept, so you can't see it at all!

NEVER MIND THE...

One very popular television show that is based on recounting the positions of the nation's most popular records in order, and then playing their videos, has gotten a bit sensitive about the use of certain words recently. When industrial dance band Oil Seed Rape got a mention recently their name was unceremoniously abridged to Oil Seed. As Nutts pointed out "They'll soon be doing a run down of the Al charts, 'cos they don't want to say bum".

Very rock 'n' roll, eh?

Blue is the Colour



Top computer company Commodore managed to get their name on everyone's lips, and the players' chests, when they sponsored Chelsea football club. The only problem was, while everyone knew their name, no one knew who the heck they were or what they did. Solution? Drop the Commodore name and get some advertising for the product. Now everybody knows what an Amiga is, don't they? If they don't now they will do when Chelsea storm to victory in the World Cup and the Olympics and whatever else it is that footballie types do. (If this obvious lack of footballing knowledge is bugging you to tears, stop reading this now and turn immediately to page 66 for the first review of Dino Dini's *Goal!*, which is finally finished).

Actual Reality

Back from its summer holidays, and sporting a rather fine tan... it's that page where we print all the stuff that doesn't really belong anywhere else in the magazine.

BLACK ICE

No, we're not giving you a very out of season driving alert.

If after reading our well valid Cyber feature you went out and bought a William Gibson book you'll know that Black Ice is the name for vicious intruder protection systems. It's also the name of the UK's best Cyber mag. Call them on 0273 325237

Your guarantee of value

This mag comes from Future Publishing, a company founded just seven years ago but now selling more computer magazines than any other in Britain. We offer:

Better advice. Our titles are packed with tips, suggestions and explanatory features, written by the very best in the business.

Stronger reviews. We have a cast-iron policy of editorial independence and our reviews give clear buying recommendations.

Clearer design. You need solid information fast. So our crayon-wielders highlight key elements by using charts, diagrams, summary boxes, and so on...

Greater relevance. At Future, Editors operate under two golden rules:
- Understand your readers' needs.
- Then satisfy them.

More reader interaction. We draw on readers' contributions, resulting in the liveliest letters pages and the best reader tips. Buying one of our magazines is like joining a nationwide user group.

Better value for money. More pages, better quality – magazines you can trust.

Amiga Format Issue 49

EDITORIAL CONTRIBUTORS
Jason Holborn
Brian Larkman
Phil South
James Leach

PROMOTIONS ASSISTANT Tamara Ward
ADVERTISING COMPLAINTS Yolanda Hughes

PHOTOGRAPHY Ashton James, Bradford-on-Avon;

COLOUR ORIGINATORS Phoenix Repro
PRINTERS Chase Web, St Ives PLC, Plymouth

NEWS TRADE DISTRIBUTION UK
Future Publishing 0225 442244

NEWS TRADE DISTRIBUTION OVERSEAS:
MMC Ltd 0483 211222

CIRCULATION MANAGER Jon Bickley 0225 442244
CIRCULATION ASSISTANT Kate Elston 0225 442244



Home of Britain's finest magazines.

AMIGA FORMAT

Amiga Format Specials • Amiga Power • Amiga Shopper • Commodore Format • Your Sinclair Total • ST Format • Mega • SuperPlay • Amstrad Action • PC Format • Amiga Shopper GamesMaster • Mac Format • Edge and quite a few others too...

MAG*SAVE

Don't miss it - reserve your copy!

Amiga Format sells out very quickly in many areas of the country – so it's just not worth the gamble that you might miss it. Make sure of your copy by filling in this form and give it to your newsagent. They'll be happy to keep a copy aside for you, or even deliver it direct to your home every month. And remember – if you have problems getting hold of your favourite Amiga magazine, telephone Kate Elston on 0225 442244 and she will be happy to help you.

Please reserve/deliver *Amiga Format* magazine for me each month, starting with the August Issue, on sale Thursday June 24.

Name ______________________

Address ______________________

______________________ Telephone number ______________________

Note to newsagent: Amiga Format is published by Future Publishing 0225 442244 and is available from your local wholesaler.

technical hotline
0234 841882

power computing

PC880B POWER DRIVE

The award winning external disk drive which includes Anti-Click (cures that annoying click), Virus Blocker (prevents viruses) and built-in Backup hardware.

The PC880B is available with Blitz Amiga, Blitz and X-Copy or Cyclone compatible (this drive is only available to registered owners of X-Copy Professional. You must provide proof of purchase of X-Copy Professional). The drive comes in a choice of two colours, black or cream.

PC880B WITH BLITZ AMIGA £60
PC880B WITH BLITZ, X-COPY ..£75
PC880B (CYCLONE COMPATIBLE) £65
PC880B IN BLACK CASE £65

POWER DRIVES



PC880E ECONOMY DRIVE ..£49.95
PC881 A500 INTERNAL £45
PC882 A2000 INTERNAL £45

POWER DUAL DRIVE

Two high quality disk drives built into one compact unit, the drive includes the same features as the PC880B disk drive.

POWER DUAL DRIVE £125

BLITZ AMIGA

Backup disks at lightning speeds, and stop all external drives from clicking.Blitz does not let viruses from being written into the bootblocker.(The 1988 Copyright act applies)

BLITZ AMIGA £15

FLOPTICAL DISK DRIVE

The Floptical stores 20MB of data on a 3.5" disk (a SCSI interface is required).

FLOPTICAL A2000 KIT £289
FLOPTICAL A500 EXTERNAL....£389

POWERSCANNER V3.0

The awarding winning PowerScanner is able to scan from 100 - 400DPI in 64 greyscales. The scanning software included allows you to edit and manipulate any image you scan.

The scanner interface includes a through port for a printer.

POWERSCANNER V3.0 ....£99
POWERSCANNER INC. OCR ...£149
OCR SOFTWARE ONLY £49

COLOUR POWERSCANNER

Scan 100 - 400 DPI in 4096 colours, with the Colour PowerScanner. The scanning software included allows you to edit and manipulate any image you scan.

The scanner interface includes a through port for a printer.

COLOUR POWERSCANNER £239

POWERSCAN UPGRADES

If you consider your scanner system to be inferior to the Power Scanner, we will upgrade your software and interface.

V3.0 UPGRADE (INC INTERFACE) ..£49.95
V3.0 UPGRADE (SOFTWARE, SEND SAE) £15

EPSON GT-6500

High resolution 24-bit colour flatbed scanning from Epson. Scan up to A4 in size on this 600 DPI scanner. Comes with PowerScan software.

EPSON GT-6500 (INC SOFTWARE) ...£799

EPSON GT-8000

High resolution 24-bit colour flatbed scanning from Epson. Scan up to A4 in size on this 800 DPI scanner. This is the ultimate in desktop scanning. Comes with PowerScan software.

EPSON GT-8000 (INC SOFTWARE) .£1199

TRANSPARENCY ADAPTOR

Scan up to 5"x 4" transparencies. Available for the GT - 6500 and GT - 8000 scanners.

TRANSPARENCY ADAPTOR.....£589

DOCUMENT FEEDER

Automatic 50-sheet document feeder for the GT-6500 and GT-8000 scanners.

DOCUMENT FEEDER................£399

A600 MEMORY CARD

1MB RAM with battery backed clock

A600 1MB RAM £39.95

PC501+ MEMORY CARD

Our RAM board is designed especially for the A500+ computer and comes with 1MB of RAM on-board to expand your memory to 2MB of chip RAM (fits in the trap-door).

PC501+ MEMORY CARD £35.95

1.5MB RAM BOARD

Fully supports 1MB of chip RAM and is fully compatible with Fatter Agnus (requires Kickstart 1.3 and above, not compatible with A500+. Your Amiga needs to be opened, this may effect your warranty).

1.5MB RAM BOARD £85

1MB WITH THRU'PORT



Expand your A500's memory up to a total of 2MB without disposing of your existing 512K upgrade (works with 1MB chip RAM, 512K RAM must be 4 chip type or not exceeding 9cm in length. Your Amiga needs to be opened, this may effect your warranty).

1MB WITH THRU'PORT £49

A500 MEMORY CARD

4 Chip 512K RAM expansion with or without battery backed clock.

Free software included (A500+ compatible)

A500 CARD WITH CLOCK £29
A500 CARD WITHOUT CLOCK ..£24

A500 8MB POWERBOARD

Expand your Amiga from 2MB to 8MB of RAM. Plugs into side slot, full auto config. and full through port.

A500 2MB POWERBOARD £129
A500 4MB POWERBOARD £189
A500 8MB POWERBOARD £289
1 X 4 ZIP £14.95

A2000 8MB POWERBOARD

2MB to 8MB RAM expansion for the A2000

A2000 2MB POWERBOARD £99
A2000 4MB POWERBOARD ...£149
A2000 8MB POWERBOARD ...£239

COMMODORE AMIGA

A wide range of Amiga's are available.

A1200 ....£389
A1200 60MB HD £569
A1200 80MB HD £599
A1200 170MB HD £754
A1200 212MB HD £819
A4000 68040 120MB HD 6MB.£2329
A4000 68030 80MB HD 4MB ..£1129
A4000 68030 80MB HD 2MB £979

MONITORS

A wide range of monitors are available.

PHILIPS CM8833 MK2 ....£229
INCLUDES LOTUS 2, ON-SITE MAINTENANCE
COMMODORE 1084S £199
MULTISYNC MONITOR ....£POA

ICD PRODUCTS



ICD sole distributor. Trifecta is SCSI 2 or IDE compatible. (Trifecta EC is only IDE)

TRIFECTA 2000 LX BARE £139
80MB HD £239
160MB HD £329
200MB HD £399
TRIFECTA 500 LX BARE £195
80MB HD £295
160MB HD £359
200MB £459
TRIFECTA 500 EC BARE £145
80MB HD £279
160MB HD £339
200MB HD £419
AD IDE 2 PRIMA BARE £70
80MB HD £245
160MB HD £309
200MB HD £399
PRIMA 3.5" MOUNTING KIT ...£29
AD IDE 2 NOVIA 60MB HD.....£259
80MB HD £299
130MB HD £379
212MB HD £499
NOVIA 2.5" MOUNTING KIT ...£19
ADSPEED AMIGA £119
FLICKER FREE VIDEO 2 ....£185

ELECTRIC FINGERS CLUB

The Power BBS is a bulletin board service. Phone 0234 841503. Speeds up to 16.8K

SUPRA MODEMS

SUPRA FAX MODEM+ £119
(INCLUDING PSU, CABLE AND SOFTWARE)
SUPRA FAX MODEM 32BIS £249

HOME MUSIC KIT

HOME MUSIC KIT £69.95
MIDI INTERFACE £15.95

GVP A530 TURBO HD

A 40 MHz 68030 EC accelerator.

80MB HD 0MB RAM £549
160MB HD 0MB RAM £649
200MB HD 0MB RAM £699
68882 UPGRADE KIT £224

GVP SERIES 2 HD

External hard drive for the Amiga 500. Expand up to 8MB on-board.

80MB HD £339
160MB HD £409
200MB HD £599
EACH 1MB X 8 SIMM £30

CHIPS AND SPARES

We stock a wide range of parts and spares.

1MB X 8 SIMM £30
4MB X 8 SIMM ....£POA
SIMM 32 X 1MB-60 GVP..........£59
SIMM 32 X 4MB-60 GVP £179
SIMM 32 X 4 ....£159
SIMM 32 X 8 ....£369
256K X 4 DRAM £5
1MB X 1 DRAM £4.50
1 X 4 ZIP £14.95
1 X 4 DIP £19.95
PCMCIA 2MB £149
V1.3 KICKSTART ROM £24
V2.04 KICKSTART ROM £32
FATTER AGNUS 8372 ....£30
BIG FAT AGNUS 8375 ....£40
HI-RES DENISE £25
GARY £19
PAULA £25
6570-36 KEYBOARD CHIP £19
CIA 8520 ....£9.95
DATA SWITCHES 2 WAY £15.99
DATA SWITCHES 3 WAY £17.99
DATA SWITCHES 4 WAY £19.99
MODEM CABLE £9.95
PRINTER CABLE £6.95
SCSI CABLE £9.95
IDE CABLE FOR A600, A1200 INC.
INSTALLATION SOFTWARE ..£15.95
A500 POWER SUPPLY £39.95
WORKBENCH 2.04 KIT £75

MISCELLANEOUS

POWERMOUSE £15
OPTICAL MOUSE £29.95
REPLACEMENT OPTICAL MOUSE MAT .£10
100 BRANDED DISKS + BOX £69.99
10 BRANDED DISKS £9.95
A1200 DUSTCOVER £5
AVIATOR 1 JOYSTICK £35
INTRUDER 1 JOYSTICK £29.99
MAVERICK 1 JOYSTICK £15.99
PYTHON 1 JOYSTICK £9.99
APACHE 1 JOYSTICK £7.99

delivery 24hr £4.50 48hr £2.50
parcel post £1 (UK mainland only orders under £50)

POWER OPTICAL DRIVE

Fit 128MB on one Optical disk.

128MB OPTICAL INTERNAL £849
128MB OPTICAL EXTERNAL ...£999
128MB 3.5" OPTICAL DISK .£39.95
SCSI CONTROLLER A2000 ......£129

VIDEO BACKUP SYSTEM

Use a VCR as a backup storage device, 200 Amiga floppy disks fit on to a 4Hr tape which can be used for an alternative hard disk backup system. Whats more, you can watch television on your 1084S monitor.

VIDEO BACKUP SYSTEM £59.95

BARE SCSI HARD DRIVES

We can supply SCSI or IDE 3.5" drives in many sizes. These hard drives are suitable for GVP G-Force, GVP or ICD.

80MB £179
160MB £249
200MB £349

2.5" IDE INTERNAL HD

Miniature hard drives for the A600/A1200 these drives come complete with a cable and installation software.

60MB INTERNAL HD...............£179
80MB INTERNAL HD...............£210
130MB INTERNAL HD.............£299
170MB INTERNAL HD.............£365
212MB INTERNAL HD.............£430

GVP A2000 HARD CARD

High quality SCSI hard card.

BARE £129
80MB £279
160MB £349
200MB £419

AUTO ROM SHARER

One of the most advanced Rom sharers.

ROM SHARE £19.95
ROM SHARE INC. V2.04 ....£50
ROM SHARE INC. V1.3 ....£39
ROM SHARE A600 ....£29
ROM SHARE A600 INC. V1.3 ...£55

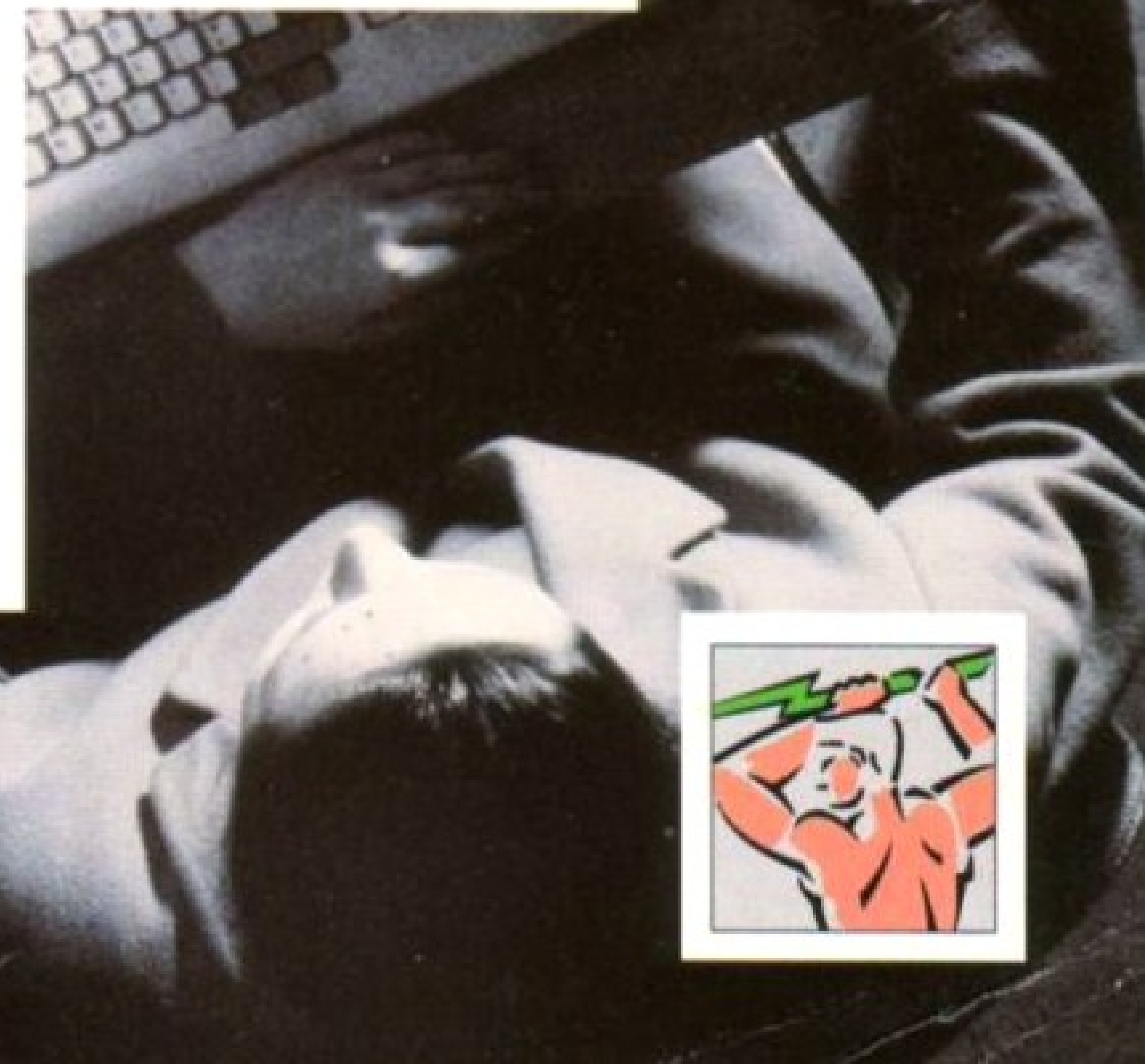
Power Computing Ltd
Unit 8 Railton Road
Woburn Road Ind. Est.
Kempston Beds
MK42 7PN

Tel 0234 843388
Fax 0234 840234

Cheques payable to Power Computing Ltd.

Goods are sold subject to our standard terms and conditions of sale and are available on request.
Specifications and prices are subject to change without notice.
All trademarks are acknowledged.
All prices include VAT.

tel 0234 843388





Power Computing's innovative 4MB 32-bit memory expansion for the Amiga 1200 is now available. The PC1204 includes these many features:

Zero Wait State - Unlike some other expansions the PC1204 never leaves the processor waiting around for data, which means that your A1200 can run at its maximum speed.

Ultra Fast FPU - An optional maths co-processor speeds up intensive calculations. A 50MHz chip will speed up operations by up to fifty times.

Real-Time Battery Backed Clock - Allows files to be date-stamped with the correct time and date so that you know exactly when they were created.

Low Power - High density RAMs means low power consumption.

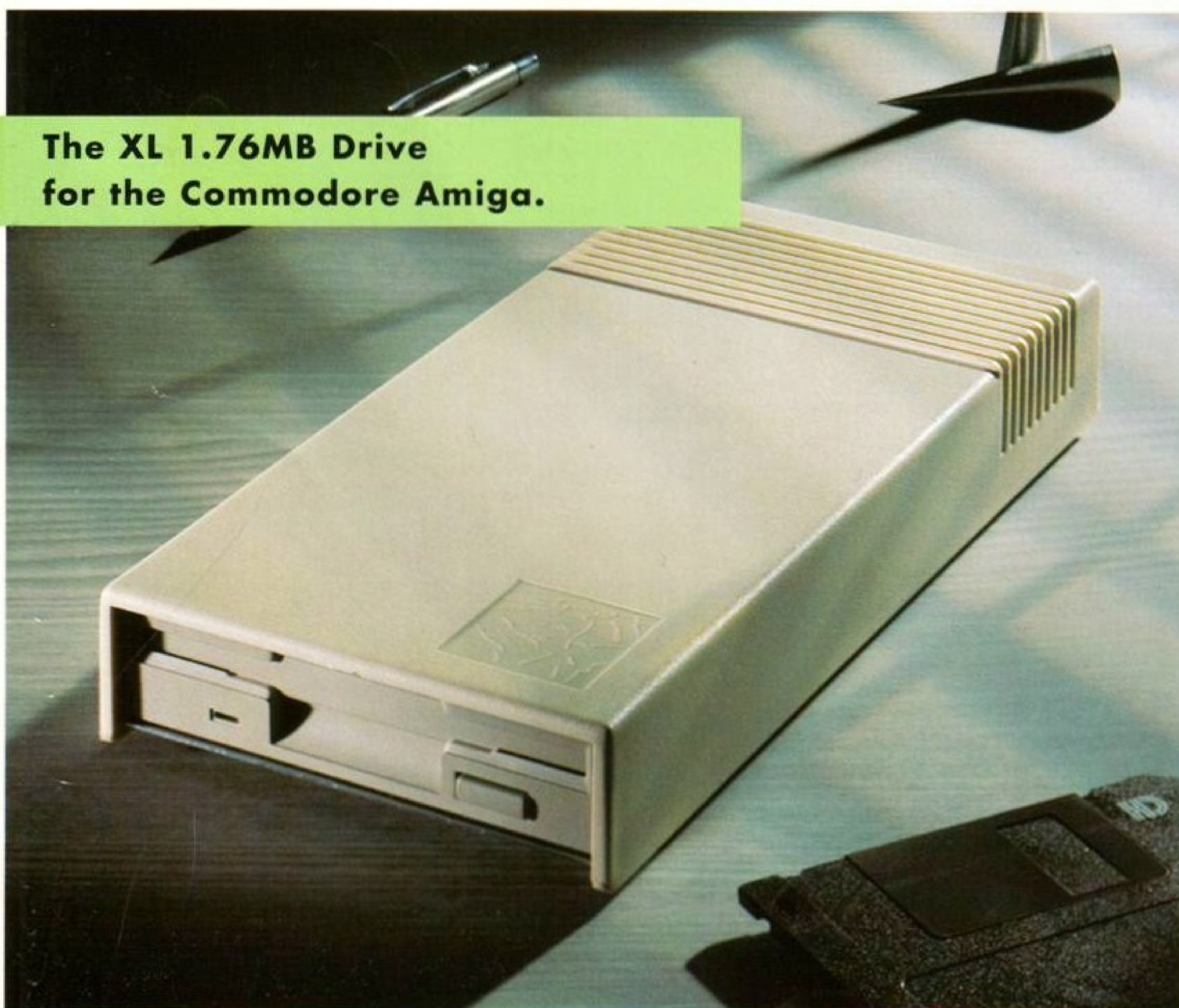
Easy To Fit - Fitted in minutes without the need to remove the computer's case.

Optional FPU Disable Switch - Disable the FPU instantly for software that will not run with a maths co-processor installed.

	Power PC1204	A leading competitor
Speed Vs standard A600	4.84 times faster	4.79 times faster
Speed Vs standard A1200	2.19 times faster	2.17 times faster
CPU MIPS	2.96	2.93

PC1204 4MB with clock, no FPU Processor **£185.95**
PC1204 4MB with clock, 20MHz 68881 FPU **£219.95**
PC1204 4MB with clock, 25MHz 68882 FPU **£279.95**
PC1204 4MB with clock, 33MHz 68882 FPU **£289.95**
PC1204 4MB with clock, 40MHz 68882 FPU **£299.95**
PC1204 4MB with clock, 50MHz 68882 FPU **£339.95**





Power Computing's XL 1.76MB Drive* for any Commodore Amiga is now available. The XL Drive includes these many features:

Formats to 1.76MB - Using high density disks you can fit a massive 1.76MB on each disk.

Acts as a standard drive - Insert an 880K Amiga disk and the drive behaves like any other Amiga drive.

Fully compatible - Will read and write disks written on an Amiga 4000 internal high density drive.

Compatible with PC disks* - Also read and write high density PC disks using a suitable device driver.

Compact size - No larger than a standard 880K floppy disk drive.

High quality design - Uses a high quality Sony high density mechanism.

Free - Box of 10 3.5" Polaroid high density disks.

Comes complete with disable switch and through port.

XL DRIVE

XL DRIVE £99.95

*Requires Kickstart 2 or above. *Requires Workbench 2.1 or above.

48Hr delivery **£2.50**, 24Hr delivery **£4.50**
Parcel Post delivery **£1** (Orders under £50 & UK mainland only)
Specifications and prices subject to change without notice
All Trademarks acknowledged. VAT included



Power Computing Ltd
Unit 8 Railton Road Woburn Road Industrial Estate
Kempston Bedford MK42 7PN
Tel 0234 843388 Fax 0234 840234

Goods are sold subject to our standard terms and conditions of sale and are available on request